



Certificate of Incorporation

Canada Business Corporations Act

Certificat de constitution

Loi canadienne sur les sociétés par actions

Izotropic Corporation

Corporate name / Dénomination sociale

976104-7

Corporation number / Numéro de société

I HEREBY CERTIFY that the above-named corporation, the articles of incorporation of which are attached, is incorporated under the *Canada Business Corporations Act*.

JE CERTIFIE que la société susmentionnée, dont les statuts constitutifs sont joints, est constituée en vertu de la *Loi canadienne sur les sociétés par actions*.

Virginie Ethier

Director / Directeur

2016-05-19

Date of Incorporation (YYYY-MM-DD)

Date de constitution (AAAA-MM-JJ)



- 1 Corporate name / Dénomination sociale: Izotropic Corporation
2 The province or territory in Canada where the registered office is situated / La province ou le territoire au Canada où est situé le siège social: BC
3 The classes and any maximum number of shares that the corporation is authorized to issue / Catégories et le nombre maximal d'actions que la société est autorisée à émettre: The corporation is authorized to issue an unlimited number of common shares.
4 Restrictions on share transfers / Restrictions sur le transfert des actions: See attached schedule / Voir l'annexe ci-jointe
5 Minimum and maximum number of directors / Nombre minimal et maximal d'administrateurs: Min. 1 Max. 5
6 Restrictions on the business the corporation may carry on / Limites imposées à l'activité commerciale de la société: None
7 Other Provisions / Autres dispositions: None
8 Incorporator's Declaration: I hereby certify that I am authorized to sign and submit this form. / Déclaration des fondateurs : J'atteste que je suis autorisé à signer et à soumettre le présent formulaire.

Name(s) - Nom(s)

Original Signed by - Original signé par

Kenneth Richard Holmes

Kenneth Richard Holmes
Kenneth Richard Holmes

Misrepresentation constitutes an offence and, on summary conviction, a person is liable to a fine not exceeding \$5000 or to imprisonment for a term not exceeding six months or both (subsection 250(1) of the CBCA).

Faire une fausse déclaration constitue une infraction et son auteur, sur déclaration de culpabilité par procédure sommaire, est passible d'une amende maximale de 5 000 \$ et d'un emprisonnement maximal de six mois, ou l'une de ces peines (paragraphe 250(1) de la LCSA).

You are providing information required by the CBCA. Note that both the CBCA and the Privacy Act allow this information to be disclosed to the public. It will be stored in personal information bank number IC/PPU-049.

Vous fournissez des renseignements exigés par la LCSA. Il est à noter que la LCSA et la Loi sur les renseignements personnels permettent que de tels renseignements soient divulgués au public. Ils seront stockés dans la banque de renseignements personnels numéro IC/PPU-049.

Schedule / Annexe

Restrictions on Share Transfers / Restrictions sur le transfert des actions

Unless the corporation is a distributing corporation, no shares of the corporation may be sold, transferred or otherwise disposed of without the consent of a majority of the directors or, alternatively, the consent of a majority of the shareholders.



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Name(s) - Nom(s)

Kenneth Richard Holmes

Signature

Handwritten signature of Kenneth Richard Holmes

Kenneth Richard Holmes

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Initial Registered Office Address and First Board of Directors

Siège social initial et premier conseil d'administration

Canada Business Corporations Act (CBCA) (s. 19 and 106)

Loi canadienne sur les sociétés par actions (LCSA) (art. 19 et 106)

1 Corporate name / Dénomination sociale

Izotropic Corporation

2 Address of registered office / Adresse du siège social

15718
39A Avenue
Surrey BC V3Z 0L1

3 Additional address / Autre adresse

4 Members of the board of directors / Membres du conseil d'administration

Robert Louis Thast

15718, 39A Avenue, Surrey BC
V3Z 0L1, Canada

Resident Canadian / Résident Canadien
Yes / Oui

5 Declaration: I certify that I have relevant knowledge and that I am authorized to sign this form.

Déclaration : J'atteste que je possède une connaissance suffisante et que je suis autorisé(e) à signer le présent formulaire.

Original signed by / Original signé par
Kenneth Holmes

Kenneth Holmes
604-724-6250

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and First Board of Directors**

**Siège social initial et premier
conseil d'administration**

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Certificate of Amendment

Canada Business Corporations Act

Certificat de modification

Loi canadienne sur les sociétés par actions

Izotropic Corporation

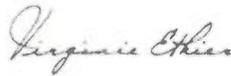
Corporate name / Dénomination sociale

976104-7

Corporation number / Numéro de société

I HEREBY CERTIFY that the articles of the above-named corporation are amended under section 178 of the *Canada Business Corporations Act* as set out in the attached articles of amendment.

JE CERTIFIE que les statuts de la société susmentionnée sont modifiés aux termes de l'article 178 de la *Loi canadienne sur les sociétés par actions*, tel qu'il est indiqué dans les clauses modificatrices ci-jointes.



Virginie Ethier

Director / Directeur

2016-07-06

Date of Amendment (YYYY-MM-DD)

Date de modification (AAAA-MM-JJ)



Form 4
Articles of Amendment
Canada Business Corporations Act
(CBCA) (s. 27 or 177)

Formulaire 4
Clauses modificatrices
Loi canadienne sur les sociétés par actions (LCSA) (art. 27 ou 177)

- 1 Corporate name
Dénomination sociale
Izotropic Corporation
- 2 Corporation number
Numéro de la société
976104-7
- 3 The articles are amended as follows
Les statuts sont modifiés de la façon suivante

The corporation amends the other provisions as follows:
Les autres dispositions sont modifiées comme suit :
See attached schedule / Voir l'annexe ci-jointe

- 4 Declaration: I certify that I am a director or an officer of the corporation.
Déclaration : J'atteste que je suis un administrateur ou un dirigeant de la société.

Original signed by / Original signé par
Robert Thast
Robert Thast
604-220-5031

Misrepresentation constitutes an offence and, on summary conviction, a person is liable to a fine not exceeding \$5000 or to imprisonment for a term not exceeding six months or both (subsection 250(1) of the CBCA).

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Schedule / Annexe
Other Provisions / Autres dispositions

The directors may appoint one or more directors, who shall hold office for a term expiring not later than the close of the next annual general meeting of shareholders, but the total number of directors so appointed may not exceed one-third of the number of directors elected at the previous annual general meeting of shareholders.



-
- 1 Corporate name
Dénomination sociale
Izotropic Corporation
-
- 2 Corporation number
Numéro de la société
9761047
-
- 3 The articles are amended as follows
Les statuts sont modifiés de la façon suivante

The corporation amends the other provisions as follows:
Les autres dispositions sont modifiées comme suit :
See attached schedule / Voir l'annexe ci-jointe

-
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Déclaration : J'atteste que je suis un administrateur ou un dirigeant de la société.

Robert Louis Thast
604-220-5031

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**IZOTROPIC CORPORATION
BY-LAW NO. 1**

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IZOTROPIC CORPORATION
(the "Corporation")

BY-LAW NO.1

A by-law relating generally to the conduct of the affairs of the Corporation.

INTERPRETATION

1. In this by-law and all other by-laws of the Corporation, unless the context otherwise specifies or requires:
 - (a) "Act" means the Canada Business Corporations Act, as from time to time amended and every statute that may be substituted therefor and, in the case of such substitution, any references in the by-laws of the Corporation to provisions of the Act shall be read as references to the substituted provisions therefor in the new statute or statutes;
 - (b) "Regulations" means the Regulations under the Act as published or from time to time amended and every regulation that may be substituted therefor and, in the case of such substitution, any references in the by-laws of the Corporation to provisions of the Regulations shall be read as references to the substituted provisions therefor in the new regulations;
 - (c) "by-law" means any by-law of the Corporation from time to time in force and effect;
 - (d) all terms which are contained in the by-laws of the Corporation and which are defined in the Act or the Regulations shall have the meanings given to such terms in the Act or the Regulations; and
 - (e) the singular shall include the plural and the plural shall include the singular; the masculine shall include the feminine; and the word "person" shall include bodies corporate, corporations, companies, partnerships, syndicates, trusts and any number or aggregate of persons.

SEAL

2. Seal: The Corporation may but need not have a corporate seal. Any corporate seal of the Company shall be such as the board of directors may by resolution from time to time approve.

DIRECTORS

3. Number: The number of Directors shall be determined from time to time by special resolution, subject to the articles of the Corporation and any unanimous shareholder agreement. Subject to any unanimous shareholder agreement the business and affairs of the Corporation shall be managed by a board of directors of whom a majority shall be resident Canadians. If the Corporation is an offering Corporation at least one third of the directors shall not be officers or employees of the Corporation or any affiliate of the Corporation.
4. Term of Office: A director's term of office (subject to the provisions, if any, of the articles of the Corporation, the provisions of the Act any unanimous shareholder agreement and any expressly stated term of office) shall be from the date on which he is elected or appointed until the annual meeting next following.

5. **Vacation of Office:** The office of a director shall ipso facto be vacated: (a) if he becomes bankrupt or suspends payments of his debts generally or compounds with his creditors or makes an authorized assignment or is declared insolvent; (b) if he is found to be a mentally incompetent person; (c) if he dies, (d) if he is removed by ordinary resolution, or (e) if by notice in writing to the Corporation he resigns his office. Any such resignation shall be effective at the time it is sent to the Corporation or at the time specified in the notice, whichever is later.

6. **Election and Removal:** Directors shall be elected by the shareholders on a show of hands unless a ballot is demanded in which case such election shall be by ballot. The whole board shall retire at the annual meeting at which the yearly election of directors is to take place but, if qualified, any retiring director shall be eligible for re-election, provided always that the shareholders of the Corporation may, by ordinary resolution passed at an annual or special meeting of shareholders, remove any director or directors from office and a vacancy created by the removal of a director may be filled at the meeting of the shareholders at which the director is removed.

7. **Committee of Directors:** The directors may appoint from among their number a committee of directors and subject to section 115(3) of the Act may delegate to such committee any of the powers of the directors. A majority of the directors of any such committee must be resident Canadians.

MEETINGS OF DIRECTORS

8. **Place of Meeting:** Meetings of the board of directors and of any committee of directors may be held within or outside Canada and it shall not be necessary in any fiscal period of the Corporation to hold a majority of the meetings of the directors at a place within Canada.

9. **Notice:** A meeting of the directors or of any committee of the directors may be convened by the Chairman of the Board, the Vice-Chairman of the Board, the Managing Director, the President if he is a director, a Vice-President who is a director or any two directors at any time and the Secretary, when directed or authorized by any of such officers or any two directors, shall convene a meeting of the directors or of any committee of the directors. The notice of any such meeting need not specify the purpose of or the business to be transacted at the meeting. Notice of any such meeting shall be served in the manner specified in paragraph 57 of this by-law not less than two days (exclusive of the day on which the notice is delivered or sent but inclusive of the day for which notice is given) before the meeting is to take place; provided always that a director may in any manner and at any time, both before and after the date of a meeting, waive notice of a meeting of directors and attendance of a director at a meeting of directors shall constitute a waiver of notice of the meeting except where a director attends a meeting for the express purpose of objecting to the transaction of any business on the grounds that the meeting is not lawfully called.

For a meeting of the board of directors held immediately following the election of directors by the shareholders or for a meeting of the board of directors at which a director is appointed to fill a vacancy in the board, no notice of such meeting need be given to the newly elected or appointed director or directors in order to legally constitute the meeting, provided that a quorum of the directors is present.

10. **Omission of Notice:** The accidental omission to give notice of any meeting of directors or any committee of directors to, or the non-receipt of any notice by, any person shall not invalidate any resolution passed or any proceeding taken at such meeting.

11. **Adjournment:** Any meeting of directors or any committee of directors may be adjourned from time to time by the chairman of the meeting, with the consent of the meeting, to a fixed time and place. Notice of any such adjourned meeting is not required to be given if the time and place of the adjourned meeting is announced at the original meeting. Any adjourned meeting shall be duly constituted if held in accordance with the terms of the adjournment and a quorum is present thereat. The directors who formed a quorum at the

original meeting are not required to form the quorum at the adjourned meeting. If there is no quorum present at the adjourned meeting, the original meeting shall be deemed to have terminated forthwith after its adjournment. Any business may be brought before or dealt with at any adjourned meeting which might have been brought before or dealt with at the original meeting in accordance with the notice calling the same.

12. **Quorum:** The board of directors may from time to time fix the quorum required for the transaction of business at a meeting of the board of directors or of any committee of the directors and until so fixed the quorum will be a majority of the number appointed to the board of directors or to such committee, as the case may be.

13. **Telephone Participation:** A director may, if all the directors of the Corporation consent, participate in a meeting of directors or of any committee of directors by means of such telephone or other communications facilities as permit all persons participating in the meeting to hear each other and a director participating in such a meeting by such means is deemed to be present at that meeting.

14. **Voting:** Questions arising at any meeting of the board of directors shall be decided by a majority of votes. In case of an equality of votes the chairman of the meeting in addition to his original vote shall not have a second or casting vote.

15. **Resolution in lieu of meeting:** Notwithstanding any of the foregoing provisions of this by-law a resolution in writing signed by all the directors entitled to vote on that resolution at a meeting of the directors or any committee of directors is as valid as if it had been passed at a meeting of the directors or such committee of directors.

REMUNERATION OF DIRECTORS

16. The remuneration to be paid to the directors shall be such as the board of directors shall from time to time determine and such remuneration shall be in addition to the salary paid to any officer or employee of the Corporation who is also a member of the board of directors. The directors may also award special remuneration to any director undertaking any special services on the Corporation's behalf other than the routine work ordinarily required of a director by the Corporation and the confirmation of any such resolution or resolutions by the shareholders shall not be required. The directors shall also be entitled to be paid their travelling and other expenses properly incurred by them in connection with the affairs of the Corporation.

SUBMISSION OF CONTRACTS OR TRANSACTIONS TO SHAREHOLDERS FOR APPROVAL

17. The board of directors in its discretion may submit any contract, act or transaction for approval or ratification at any annual meeting of the shareholders or at any special meeting of the shareholders called for the purpose of considering the same and, subject to the provisions of section 120 of the Act, any such contract, act or transaction that shall be approved or ratified or confirmed by a resolution passed by a majority of the votes cast at any such meeting (unless any different or additional requirement is imposed by the Act or by the Corporation's articles or any other by-law) shall be as valid and as binding upon the Corporation and upon all the shareholders as though it had been approved, ratified or confirmed by every shareholder of the Corporation.

FOR THE PROTECTION OF DIRECTORS AND OFFICERS

18. **Conflict of Interest:** In supplement of and not by way of limitation upon any rights conferred upon directors by section 120 of the Act, it is declared that no director shall be disqualified by his office from, or vacate his office by reason of, holding any office or place of profit under the Corporation or under any body corporate in

which the Corporation shall be a shareholder or by reason of being otherwise in any way directly or indirectly interested or contracting with the Corporation either as vendor, purchaser or otherwise or being concerned in any contract or arrangement made or proposed to be entered into with the Corporation in which he is in any way directly or indirectly interested either as vendor, purchaser or otherwise nor shall any director be liable to account to the Corporation or any of its shareholders or creditors for any profit arising from any such office or place of profit; and, subject to the provisions of section 120 of the Act, no contract or arrangement entered into by or on behalf of the Corporation in which any director shall be in any way directly or indirectly interested shall be avoided or voidable and no director shall be liable to account to the Corporation or any of its shareholders or creditors for any profit realized by or from any such contract or arrangement by reason of any fiduciary relationship. Subject to the provisions of section 120 of the Act, no director or officer shall be obliged to make any declaration of interest in respect of a contract or proposed contract with the Corporation in which such director or officer is in any way directly or indirectly interested, nor shall any director be obliged to refrain from voting in respect of any such contract.

19. Except as otherwise provided in the Act, no director or officer for the time being of the Corporation shall be liable for the acts, receipts, neglects or defaults of any other director or officer or employee or for joining in any receipt or act for conformity or for any loss, damage or expense happening to the Corporation through the insufficiency or deficiency of title to any property acquired by the Corporation or for or on behalf of the Corporation or for the insufficiency or deficiency of any security in or upon which any of the moneys of or belonging to the Corporation shall be placed out or invested or for any loss or damage arising from the bankruptcy, insolvency or tortious act of any person, firm or corporation including any person, firm or corporation with whom or which any moneys, securities or effects shall be lodged or deposited or for any loss, conversion, misapplication or misappropriation of or any damage resulting from any dealings with any moneys, securities or other assets belonging to the Corporation or for any other loss, damage or misfortune whatever which may happen in the execution of the duties of his respective office or trust or in relation thereto unless the same shall happen by or through his failure to exercise the powers and to discharge the duties of his office honestly and in good faith with a view to the best interests of the Corporation and in connection therewith to exercise the care, diligence and skill that a reasonably prudent person would exercise in comparable circumstances. The directors for the time being of the Corporation shall not be under any duty or responsibility in respect of any contract, act or transaction whether or not made, done or entered into in the name or on behalf of the Corporation, except such as shall have been submitted to and authorized or approved by the board of directors. If any director or officer of the Corporation shall be employed by or shall perform services for the Corporation otherwise than as a director or officer or shall be a member of a firm or a shareholder, director or officer of a company which is employed by or performs services for the Corporation, the fact of his being a director or officer of the Corporation shall not disentitle such director or officer or such firm or company, as the case may be, from receiving proper remuneration for such services.

INDEMNITIES TO DIRECTORS AND OFFICERS

20. Subject to section 124 of the Act, every director and officer of the Corporation and his heirs, executors, administrators and other legal personal representatives, shall from time to time be indemnified and saved harmless by the Corporation from and against,

- (a) any liability and all costs, charges and expenses that he sustains or incurs in respect of any action, suit or proceeding, including any settlement thereof, that is proposed or commenced against him for or in respect of anything done or permitted by him in respect of the execution of the duties of his office; and
- (b) all other costs, charges and expenses that he sustains or incurs in respect of the affairs of the Corporation.

OFFICERS

21. **Appointment:** The board of directors shall annually or as often as may be required appoint a President and a Secretary and, if deemed advisable, may annually or as often as may be required appoint a Chairman of the Board, a Vice-Chairman of the Board, a Managing Director, one or more Vice-Presidents, a Treasurer, one or more Assistant Secretaries and/or one or more Assistant Treasurers. Notwithstanding the foregoing, each incumbent officer shall continue in office until the earliest of (a) receipt by the Corporation of his resignation or the effective date of same whichever is later, (b) the appointment of his successor, (c) his removal, (d) his ceasing to be qualified, and (e) his death. A Director may be appointed to any office of the Corporation but none of the officers except the Chairman of the Board, the Vice-Chairman of the Board and the Managing Director need be a member of the board of directors. Two or more of the aforesaid offices may be held by the same person. In case and whenever the same person holds the offices of Secretary and Treasurer he may but need not be known as the Secretary-Treasurer. The board may from time to time appoint such other officers and agents as it shall deem necessary who shall have such designation and authority and shall perform such duties as may from time to time be prescribed by the board of directors.

22. **Remuneration and Removal:** The remuneration of all officers appointed by the board of directors shall be determined from time to time by resolution of the board of directors. The fact that any officer or employee is a director or shareholder of the Corporation shall not disqualify him from receiving such remuneration as may be determined. All officers, in the absence of agreement to the contrary, shall be subject to removal by resolution of the board of directors at any time, with or without cause.

23. **Powers and Duties:** All officers shall sign such contracts, documents or instruments in writing as require their respective signatures and shall respectively have and perform all powers and duties incident to their respective offices and such other powers and duties respectively as may from time to time be assigned to them by the board.

24. **Duties may be delegated:** In case of the absence or inability to act of any officer of the Corporation, except the Managing Director, or for any other reason that the board of directors may deem sufficient, the board of directors may delegate all or any of the powers of such officer to any other officer or to any director for the time being.

25. **Chairman of the Board:** The Chairman of the Board (if any) shall, when present, preside at all meetings of the board of directors, any committee of directors and the shareholders.

26. **Vice-Chairman of the Board:** If the Chairman of the Board is absent or is unable or refuses to act, the Vice-Chairman of the Board (if any) shall, when present, preside at all meetings of the board of directors, any committee of directors and the shareholders.

27. **Managing Director:** The Managing Director (if any) shall be a resident Canadian and shall exercise such powers and have such authority as may be delegated to him by the board of directors in accordance with the provisions of section 115 of the Act.

28. **President:** The President shall be the chief executive officer of the Corporation. He shall be vested with and may exercise all the powers and shall perform all the duties of the Chairman of the Board and Vice-Chairman of the Board if none be appointed or if the Chairman of the Board and the Vice-Chairman of the Board are absent or are unable or refuse to act; provided, however, that unless he is a director he shall not preside as chairman at any meeting of directors or of any committee of directors or, subject to paragraph 41 of this by-law, at any meeting of shareholders.

29. **Vice-President:** The Vice-President or, if more than one, the Vice-Presidents, in order of seniority, shall be vested with all the powers and shall perform all the duties of the President in the absence or inability or refusal to act of the President; provided, however, that a Vice-President who is not a director shall not preside as

chairman at any meeting of directors or of any committee of directors or, subject to paragraph 41 of this by-law, at any meeting of shareholders.

30. **Secretary:** The Secretary shall give or cause to be given notices for all meetings of the board of directors, any committee of directors and the shareholders when directed to do so and shall have charge of the records books of the Corporation and, subject to the provisions of paragraph 48 of this by-law, of the records (other than accounting records) referred to in section 20 of the Act.

31. **Treasurer:** Subject to the provisions of any resolution of the board of directors, the Treasurer shall have the care and custody of all the funds and securities of the Corporation and shall deposit the same in the name of the Corporation in such bank or banks or with such other depository or depositories as the board of directors may direct. He shall keep or cause to be kept the accounting records referred to in section 20 of the Act. He may be required to give such bond for the faithful performance of his duties as the board of directors in its uncontrolled discretion may require but no director shall be liable for failure to require any such bond or for the insufficiency of any such bond or for any loss by reason of the failure of the Corporation to receive any indemnity thereby provided.

32. **Assistant Secretary and Assistant Treasurer:** The Assistant Secretary or, if more than one, the Assistant Secretaries in order of seniority, and the Assistant Treasurer or, if more than one, the Assistant Treasurers in order of seniority, shall respectively perform all the duties of the Secretary and the Treasurer, respectively, in the absence or inability or refusal to act of the Secretary or the Treasurer, as the case may be.

33. **General Manager or Manager:** The board of directors may from time to time appoint one or more General Managers or Managers and may delegate to him or them full powers to manage and direct the business and affairs of the Corporation (except such matters and duties as by law must be transacted or performed by the board of directors and/or by the shareholders) and to employ and discharge agents and employees of the Corporation or may delegate to him or them any lesser authority. A General Manager or Manager shall conform to all lawful orders given to him by the board of directors of the Corporation and shall at all reasonable times give to the directors or any of them all information they may require regarding the affairs of the Corporation. Any agent or employee appointed by a General Manager or Manager shall be subject to discharge by the board of directors.

34. **Vacancies:** If the office of any officer of the Corporation shall be or become vacant by reason of death, resignation, disqualification or otherwise, the directors by resolution shall, in the case of the President or the Secretary, and may, in the case of any other office, appoint a person to fill such vacancy.

SHAREHOLDERS' MEETINGS

35. **Annual Meeting:** Subject to the provisions of section 133 of the Act, the annual meeting of the shareholders shall be held on such day in each year and at such time as the directors may by resolution determine at any place inside or outside Canada as the board of directors may determine or, in absence of such determination, at the registered office of the Corporation.

36. **Special Meetings:** Special meetings of the shareholders may be convened by order of the Chairman of the Board, the Vice-Chairman of the Board, the Managing Director, the President if he is a director, a Vice-President who is a director or by the board of directors at any date and time and at any place within Canada or, if all the shareholders entitled to vote at such meeting so agree, outside Canada.

37. **Notice:** Subject to paragraph 38 of this by-law a printed, written or typewritten notice stating the day, hour and place of meeting shall be given by serving such notice on each shareholder entitled to vote at such meeting, on each director and on the auditor of the Corporation in the manner specified in paragraph 57 of this by-law, not less than twenty-one days or more than fifty days (in each case exclusive of the day on which the

notice is delivered or sent and of the day for which notice is given) before the date of the meeting. Notice of a meeting at which special business is to be transacted shall state (a) the nature of that business in sufficient detail to permit the shareholder to form a reasoned judgment thereon, and (b) the text of any special resolution to be submitted to the meeting.

38. **Waiver of Notice:** A shareholder and any other person entitled to attend a meeting of shareholders may in any manner waive notice of a meeting of shareholders and attendance of any such person at a meeting of shareholders shall constitute a waiver of notice of the meeting except where such person attends a meeting for the express purpose of objecting to the transaction of any business on the grounds that the meeting is not lawfully called.

39. **Omission of Notice:** The accidental omission to give notice of any meeting or any irregularity in the notice of any meeting or the non-receipt of any notice by any shareholder or shareholders, director or directors or the auditor of the Corporation shall not invalidate any resolution passed or any proceedings taken at any meeting of shareholders.

40. **Votes:** Every question submitted to any meeting of shareholders shall be decided in the first instance by a show of hands unless a person entitled to vote at the meeting has demanded a ballot and in the case of an equality of votes the chairman of the meeting shall neither on a show of hands nor on a ballot have a second or casting vote in addition to the vote or votes to which he may be otherwise entitled.

At any meeting unless a ballot is demanded, a declaration by the chairman of the meeting that a resolution has been carried or carried unanimously or by a particular majority or lost or not carried by a particular majority shall be conclusive evidence of the fact.

A ballot may be demanded either before or after any vote by show of hands by any person entitled to vote at the meeting. If at any meeting a ballot is demanded on the election of a chairman or on the question of adjournment it shall be taken forthwith without adjournment. If at any meeting a ballot is demanded on any other question or as to the election of directors, the vote shall be taken by ballot in such manner and either at once, later in the meeting or after adjournment as the chairman of the meeting directs. The result of a ballot shall be deemed to be the resolution of the meeting at which the ballot was demanded. A demand for a ballot may be withdrawn.

Where two or more persons hold the same share or shares jointly, one of those holders present at a meeting of shareholders may, in the absence of the other or others, vote the share or shares but if two or more of those persons who are present, in person or by proxy, vote, they shall vote as one on the share or shares jointly held by them.

41. **Chairman of the Meeting:** In the event that the Chairman of the Board and the Vice-Chairman of the Board are absent and the President is absent or is not a director and there is no Vice-President present who is a director, the persons who are present and entitled to vote shall choose another director as chairman of the meeting and if no director is present or if all the directors present decline to take the chair then the persons who are present and entitled to vote shall choose one of their number to be chairman.

42. **Proxies:** Votes at meetings of shareholders may be given either personally or by proxy or, in the case of a shareholder who is a body corporate or association, by an individual authorized by a resolution of the board of directors or governing body of the body corporate or association to represent it at meetings of shareholders of the Corporation. At every meeting at which he is entitled to vote, every shareholder and/or person appointed by proxy and/or individual so authorized to represent a shareholder who is present in person shall have one vote on a show of hands. Upon a ballot at which he is entitled to vote, every shareholder present in person or represented by proxy or by an individual so authorized shall (subject to the provisions, if any, of the articles of the Corporation) have one vote for every share held by him.

A proxy shall be executed by the shareholder or his attorney authorized in writing and is valid only at the meeting in respect of which it is given or any adjournment thereof.

A person appointed by proxy need not be a shareholder.

Subject to the provisions of the Act and the Regulations, a proxy may be in the following form:

The undersigned shareholder of _____ hereby appoints _____ of _____, or failing him, _____ of _____ as the nominee of the undersigned to attend and act for the undersigned and on behalf of the undersigned at the _____ meeting of the shareholders of the said Corporation to be held on the _____ day of _____, 19____ and at any adjournment or adjournments thereof in the same manner, to the same extent and with the same powers as if the undersigned were present at the said meeting or such adjournment or adjournments thereof.

DATED this _____ day of _____, 20_____.

Signature of Shareholder

The directors may from time to time make regulations regarding the lodging of proxies at some place or places other than the place at which a meeting or adjourned meeting of shareholders is to be held and for particulars of such proxies to be cabled or telegraphed or sent by telex or in writing before the meeting or adjourned meeting to the Corporation or any agent of the Corporation for the purpose of receiving such particulars and providing that proxies so lodged may be voted upon as though the proxies themselves were produced at the meeting or adjourned meeting and votes given in accordance with such regulations shall be valid and shall be counted. The chairman of any meeting of shareholders may, subject to any regulations made as aforesaid, in his discretion accept telegraphic or cable or telex or written communication as to the authority of any person claiming to vote on behalf of and to represent a shareholder notwithstanding that no proxy conferring such authority has been lodged with the Corporation, and any votes given in accordance with such telegraphic or cable or telex or written communication accepted by the chairman of the meeting shall be valid and shall be counted.

43. **Adjournment:** The chairman of any meeting may with the consent of the meeting adjourn the same from time to time to a fixed time and place and no notice of such adjournment need to be given to the shareholders unless the meeting is adjourned by one or more adjournments for an aggregate of thirty days or more in which case notice of the adjourned meeting shall be given as for an original meeting. Any business may be brought before or dealt with at any adjourned meeting for which no notice is required which might have been brought before or dealt with at the original meeting in accordance with the notice calling the same.

44. **Quorum:** A quorum at any meeting of shareholders (unless a greater number of persons are required to be present or a greater number of shares are required to be represented by the Act or by the articles or any other by-law) shall be persons present not being less than two in number and holding or representing not less than twenty per cent of the total number of the issued shares of the Corporation for the time being enjoying voting rights at such meeting; provided that if the Corporation has only one shareholder that shareholder shall constitute a quorum and a meeting. No business shall be transacted at any meeting unless the requisite quorum be present at the time of the transaction of such business. If a quorum is not present at the opening of a meeting of shareholders, the persons present and entitled to vote may adjourn the meeting to a fixed time and place but may not transact any other business.

45. **Resolution in lieu of meeting:** Notwithstanding any of the foregoing provisions of this by-law, a resolution in writing signed by all the shareholders entitled to vote on that resolution at a meeting of the shareholders is, subject to section 142 of the Act, as valid as if it had been passed at a meeting of the shareholders.

SHARES

46. Allotment and Issuance: Subject to the provisions of section 25 of the Act, the articles, by-laws and any unanimous shareholders agreement, shares in the capital of the Corporation may be allotted and issued by resolution of the board of directors at such times and on such terms and conditions and to such persons or classes of persons as the board of directors determines.

47. Certificates: Share certificates and the instruments of transfer, if any, on the reverse side thereof shall (subject to section 49 of the Act) be in such form as the board of directors may by resolution approve and such certificates shall be signed by the Chairman of the Board, the Vice-Chairman of the Board, the Managing Director, the President, a Vice-President or the Secretary or an Assistant Secretary holding office at the time of signing.

The signature of the Chairman of the Board, the Vice-Chairman of the Board, the Managing Director, the President or a Vice-President may be printed, engraved, lithographed or otherwise mechanically reproduced upon certificates for shares of the Corporation. Certificates so signed shall be deemed to have been manually signed by the Chairman of the Board, the Vice-Chairman of the Board, the Managing Director, the President or the Vice-President whose signature is so printed, engraved, lithographed or otherwise mechanically reproduced thereon and shall be as valid to all intents and purposes as if they have been signed manually. Where the Corporation has appointed a registrar, transfer agent or branch transfer agent for the shares (or for the shares of any class or classes) of the Corporation the signature of the Secretary or Assistant Secretary may also be printed, engraved, lithographed or otherwise mechanically reproduced on certificates representing the shares (or the shares of the class or classes in respect of which any such appointment has been made) of the Corporation and when countersigned by or on behalf of a registrar, transfer agent or branch transfer agent such certificates so signed shall be as valid to all intents and purposes as if they had been signed manually. A share certificate containing the signature of a person which is printed, engraved, lithographed or otherwise mechanically reproduced thereon may be issued notwithstanding that the person has ceased to be an officer of the Corporation and shall be as valid as if he were an officer at the date of its issue.

TRANSFER OF SECURITIES

48. Transfer Agent and Registrar: The directors may from time to time by resolution appoint or remove one or more transfer agents and/or branch transfer agents and/or registrars and/or branch registrars (which may or may not be the same individual or body corporate) for the securities issued by the Corporation in registered form (or for such securities of any class or classes) and may provide for the registration of transfers of such securities (or such securities of any class or classes) in one or more places and such transfer agents and/or branch transfer agents and/or registrars and/or branch registrars shall keep all necessary books and registers of the Corporation for the registering of such securities (or such securities of the class or classes in respect of which any such appointment has been made). In the event of any such appointment in respect of the shares (or the shares of any class or classes) of the Corporation, all share certificates issued by the Corporation in respect of the shares (or the shares of the class or classes in respect of which and such appointment has been made) of the Corporation shall be countersigned by or on behalf of one of the said transfer agents and/or branch transfer agents and by or on behalf of one of the said registrars and/or branch registrars, if any.

49. Securities Registers: A central securities register of the Corporation shall be kept at the registered office of the Corporation or at such other office or place in Canada as may from time to time be designated by resolution of the board of directors and a branch securities register or registers may be kept at such office or offices of the Corporation or other place or places, either in or outside Canada, as may from time to time be designated by resolution of the directors.

50. **Surrender of Certificates:** Subject to the Act and this by-law, no transfer of shares shall be recorded or registered unless or until the certificate representing the shares to be transferred has been surrendered and cancelled or, if no such certificate has been issued, a duly executed instrument of transfer has been delivered to the Corporation or its transfer agent.

51. **Shareholder indebted to the Corporation:** If so provided in the articles of the Corporation, the Corporation has a lien on a share registered in the name of a shareholder or his legal representative for a debt of that shareholder to the Corporation. By way of enforcement of such lien the directors may refuse to permit the registration of a transfer of such share.

52. **Lost, Destroyed or Stolen Certificates:** Subject to the Act, in case of the loss, apparent destruction or wrongful taking of a security certificate, a new certificate may be issued in replacement of the one lost, apparently destroyed or wrongfully taken or a transfer of the securities represented by such certificate may be registered, upon such terms as the board of directors may from time to time prescribe, either generally or in respect of any particular loss, apparent destruction or wrongful taking of a security certificate.

DIVIDENDS

53. Subject to the Act, the directors may from time to time by resolution declare and the Corporation may pay dividends on the issued and outstanding shares in the capital of the Corporation subject to the provisions (if any) of the articles of the Corporation.

In case several persons are registered as the joint holders of any shares, any one of such persons may give effectual receipts for all dividends and payments on account of dividends and/or redemption of shares (if any) subject to redemption.

VOTING SHARES AND SECURITIES IN OTHER COMPANIES

54. All of the shares or other securities carrying voting rights of any other body corporate held from time to time by the Corporation may be voted at any and all meetings of shareholders, bondholders, debenture holders or holders of other securities (as the case may be) of such other body corporate and in such manner and by such person or persons as the board of directors of the Corporation shall from time to time determine. The proper signing officers of the Corporation may also from time to time execute and deliver for and on behalf of the Corporation proxies and/or arrange for the issuance of voting certificates and/or other evidence of the right to vote in such names as they may determine without the necessity of a resolution or other action by the board of directors.

INFORMATION AVAILABLE TO SHAREHOLDERS

55. **Confidential Information:** Except as provided by the Act, no shareholder shall be entitled to discovery of any information respecting any details or conduct of the Corporation's business which in the opinion of the directors it would be inexpedient in the interests of the Corporation to communicate to the public.

56. **Availability of Corporate Records:** The directors may from time to time, subject to rights conferred by the Act, determine whether and to what extent and at what time and place and under what conditions or regulations the documents, books and registers and accounting records of the Corporation or any of them shall be open to the inspection of shareholders and no shareholder shall have any right to inspect any document or book or register or accounting record of the Corporation except as conferred by statute or authorized by the board of directors or by a resolution of the shareholders.

NOTICES

57. **Service:** Any notice or other document required by the Act, the Regulations, the articles or the by-laws to be sent to any shareholder or director or to the auditor shall be delivered personally or sent by prepaid mail or by telegram or cable or telex to any such shareholder at his latest address as shown in the records of the Corporation or its transfer agent and to any such director at his latest address as shown in the records of the Corporation, and to the auditor at his business address; provided always that notice may be waived or the time for the notice may be waived or abridged at any time with the consent in writing of the person entitled thereto. If a notice or document is sent to a shareholder by prepaid mail in accordance with this paragraph and the notice or document is returned on three consecutive occasions because the shareholder cannot be found it shall not be necessary to send any further notices or documents to the shareholder until he informs the Corporation in writing of his new address.

58. **Shares registered in more than one name:** All notices or other documents with respect to any shares registered in more than one name shall be given to whichever of such persons is named first in the records of the Corporation and any notice or other document so given shall be sufficient notice or delivery to all the holders of such shares.

59. **Persons becoming entitled by operation of law:** Subject to section 51 of the Act, every person who by operation of law, transfer or by any other means whatsoever shall become entitled to any share or shares shall be bound by every notice or other document in respect of such share or shares which, previous to his name and address being entered in the records of the Corporation, shall be duly given to the person or persons from whom he derives his title to such share or shares.

60. **Deceased Shareholders:** Subject to section 51 of the Act, any notice or other document delivered or sent by post, telegram or telex or left at the address of any shareholder as the same appears in the records of the Corporation shall, notwithstanding that such shareholder be then deceased, and whether or not the Corporation has notice of his decease, be deemed to have been duly served in respect of the shares held by such shareholder (whether held solely or with any other person or persons) until some other person be entered in his stead in the records of the Corporation as the holder or one of the holders thereof and such service shall for all purposes be deemed a sufficient service of such notice or document on his heirs, executors or administrators and on all persons, if any, interested with him in such shares.

61. **Signature to notices:** The signature of any director or officer of the Corporation to any notice or document to be given by the Corporation may be written, stamped, typewritten or printed or partly written, stamped, typewritten or printed.

62. **Computation of time:** Where a given number of days' notice or notice extending over a period is required to be given under any provisions of the articles or by-laws of the Corporation the day of service or posting of the notice or document shall, unless it is otherwise provided, be counted in such number of days or other period.

63. **Proof of service:** With respect to every notice or other document sent by post it shall be sufficient to prove that the envelope or wrapper containing the notice or other document was properly addressed as provided in paragraph 57 of this by-law and put into a post office or into a letter box. A certificate of an officer of the Corporation in office at the time of the making of the certificate or of a transfer officer of any transfer agent or branch transfer agent of shares of any class of the Corporation as to facts in relation to the sending or delivery of any notice or other document to any shareholder, director, officer or auditor or publication of any notice or other document shall be conclusive evidence thereof and shall be binding on every shareholder, director, officer or auditor of the Corporation as the case may be.

CHEQUES, DRAFTS AND NOTES

64. All cheques, drafts or orders for the payment of money and all notes and acceptances and bills of exchange shall be signed by such officer or officers or person or persons, whether or not officers of the Corporation, and in such manner as the board of directors may from time to time designate by resolution.

CUSTODY OF SECURITIES

65. All shares and securities owned by the Corporation shall be lodged (in the name of the Corporation) with a chartered bank or trust company or in a safety deposit box or, if so authorized by resolution of the board of directors, with such other depositaries or in such other manner as may be determined from time to time by the board of directors.

All share certificates, bonds, debentures, notes or other obligations belonging to the Corporation may be issued or held in the name of a nominee or nominees of the Corporation (and if issued or held in the names of more than one nominee shall be held in the names of the nominees jointly with the right of survivorship) and shall be endorsed in blank with endorsement guaranteed in order to enable transfer to be completed and registration to be effected.

EXECUTION OF INSTRUMENTS

66. Contracts, documents or instruments in writing requiring the signature of the Corporation may be signed by:

- (a) any one of the Chairman of the Board, the Vice-Chairman of the Board, the Managing Director, the President, or
- (b) a Vice-President, the Secretary or the Treasurer with any one director, or
- (c) any two directors

and all contracts, documents and instruments in writing so signed shall be binding upon the Corporation without any further authorization or formality. The board of directors shall have power from time to time by resolution to appoint any officer or officers, or any person or persons, on behalf of the Corporation either to sign contracts, documents and instruments in writing generally or to sign specific contracts, documents or instruments in writing.

The corporate seal (if any) of the Corporation may be affixed to contracts, documents and instruments in writing signed as aforesaid or by any officer or officers, person or persons, appointed as aforesaid by resolution of the board of directors, but any such contract, document or instrument is not invalid merely because the corporate seal is not affixed thereto.

The term "contracts, documents or instruments in writing" as used in this by-law shall include deeds, mortgages, hypothecs, charges, conveyances, transfers and assignments of property real or personal, immovable or movable, agreements, releases, receipts and discharges for the payment of money or other obligations, conveyances, transfers and assignments of shares, share warrants, stocks, bonds, debentures or other securities and all paper writings.

In particular without limiting the generality of the foregoing

- (a) any one of the Chairman of the Board, the Vice-Chairman of the Board, the Managing Director, the President or a Vice-President,

- (b) the Secretary or the Treasurer with any one director, or
- (c) any two directors

shall have authority to sell, assign, transfer, exchange, convert or convey any and all shares, stocks, bonds, debentures, rights, warrants or other securities owned by or registered in the name of the Corporation and to sign and execute (under the seal of the Corporation or otherwise) all assignments, transfers, conveyances, powers of attorney and other instruments that may be necessary for the purpose of selling, assigning, transferring, exchanging, converting or conveying any such shares, stocks, bonds, debentures, rights, warrants or other securities.

The signature or signatures of the Chairman of the Board, the Vice-Chairman of the Board, the Managing Director, the President, a Vice-President, the Secretary, the Treasurer, an Assistant Secretary or an Assistant Treasurer or any director of the Corporation and/or of any other officer or officers, person or persons, appointed as aforesaid by resolution of the board of directors may, if specifically authorized by resolution of the directors, be printed, engraved, lithographed or otherwise mechanically reproduced upon any contracts, documents or instruments in writing or bonds, debentures or other securities of the Corporation executed or issued by or on behalf of the Corporation and all contracts, documents or instruments in writing or bonds, debentures or other securities of the Corporation on which the signature or signatures of any of the foregoing officers or persons authorized as aforesaid shall be so reproduced pursuant to special authorization by resolution of the directors shall be deemed to have been manually signed by such officers or persons whose signature or signatures is or are so reproduced and shall be as valid to all intents and purposes as if they had been signed manually and notwithstanding that the officers or persons whose signature or signatures is or are so reproduced may have ceased to hold office at the date of the delivery or issue of such contracts, documents or instruments in writing or bonds, debentures or other securities of the Corporation.

FINANCIAL YEAR

67. The financial year of the Corporation shall terminate on such date in each year as the directors may from time to time by resolution determine.

ENACTED this 24th day of May, 2016 and hereby signed by the President of the Corporation in witness of the foregoing.



Robert Thast, President

IZOTROPIC CORPORATION
(hereinafter called the "Corporation")

BY-LAW NO. 2

A by-law respecting the borrowing of money by the Corporation:

1. The directors may from time to time:
 - (a) borrow money upon the credit of the Corporation; and
 - (b) issue, reissue, sell or pledge debt obligations of the Corporation; and
 - (c) mortgage, hypothecate, pledge or otherwise create a security interest in all or any property of the Corporation, owned or subsequently acquired, to secure any debt obligations of the Corporation.

The words "debt obligations" as used in this paragraph mean bonds, debentures, notes or other evidences of indebtedness or guarantees of the Corporation, whether secured or unsecured.

2. The directors may from time to time by resolution delegate to the President and the Secretary or to any two individuals (including the President or the Secretary) each of whom is an officer of the Corporation all or any of the powers conferred on the directors by paragraph 1 of this by-law to the full extent thereof or such lesser extent as the directors may in any such resolution provide.
3. The powers hereby conferred shall be deemed to be in supplement of and not in substitution for any powers to borrow money for the purposes of the Corporation possessed by its directors or officers independently of a borrowing by-law.

ENACTED this 24th day of May, 2016 and hereby signed by the President of the Corporation in witness of the forgoing



Robert Thast, President