



**Patents developed by Arkion Life Sciences covering the manufacture of vegetable-source glucosamine by fermentation, and licensed exclusively to Ethical Naturals Inc. (ENI):**

**United States:** Patent No. 7,332,304 issued 2/19/2008, reexamination certificate issued 12/6/2013; and Patent No. 8,124,381 issued 2/28/2012.

**Peoples Republic of China:** Patent No. 99810087.0 issued 5/27/2009; and Pending Application No. 201510220996.1

**Germany:** Patent No. 69939901.7-08 issued 11/12/2008; and Patent No. 1576106 issued 6/22/2016;

**France:** Patent No. 1095158 issued on 11/12/2008; and Patent No. 1576106 issued 6/22/2016;

**United Kingdom:** Patent No.1095158 issued on 11/12/2008; and Patent No. 1576106 issued 6/22/2016;

**Netherlands:** Patent No. 1095158 issued on 11/12/2008; and Patent No. 1576106 issued 6/22/2016;

**Japan:** Patent No. 4567887 issued 8/13/2010; and Patent No. 5769683 issued 7/3/2015;

**Mexico:** Patent No. 262576 issued 11/27/2008; and Patent No. 260213 issued 9/3/2008

**Australia:** Patent No. 2003280305 issued 8/14/2008

**Brazil:** Pending Application No. PI-0311865-7

**Canada:** Patent No. 2,332,380 issued 11/2/2010; and Patent No. 2,488,853 issued 06/28/2016

**Korea:** Patent No. 10-1035043 issued on 05/9/2011

**Patent for ISCT method to discern shellfish-based glucosamine from vegetable-based glucosamine (ENI):**

**United States:** Patent No. 8076156 issued 12/13/2011

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