

## Certificate of Analysis

### (Representative Sample Certificate)

**Product Name:** Sea Buckthorn Extract  
**INCI Name:** Water, Glycerin, Hippophae Rhamnoides Fruit Juice  
**CAS Number:** 7732-18-5, 56-81-5, 90106-68-6  
**Lot Number:** Not available (data may vary slightly with different lots or batches)  
**Expiration Date:** 25 months from production date

| Property                                                                | Specification           | Analysis               |
|-------------------------------------------------------------------------|-------------------------|------------------------|
| Odor<br>(0223) (Smellingstrip, 100%)                                    | According to standard   | Comparable to standard |
| Color / Appearance (as is)<br>(0864) (Visual evaluation in sample vial) | Passes test             | Pass                   |
| Color<br>(0864) (Visual evaluation in sample vial)                      | Orange - brown to brown | Pass                   |
| Appearance/Condition<br>(0864) (Visual evaluation in sample vial)       | Clear liquid            | Pass                   |
| Relative Density, D25/25<br>(0001)                                      | 1.1090 - 1.1190         | 1.1158                 |
| Relative Density, D20/4<br>(0001)                                       | 1.1110 - 1.1210         | 1.1170                 |
| Refractive Index, n <sub>20</sub> /D<br>(0002)                          | 1.3870 - 1.3970         | 1.3918                 |
| Refractive Index, n <sub>25</sub> /D<br>(0002)                          | 1.3850 - 1.3950         | 1.3902                 |
| pH<br>(0119) (Direct)                                                   | 3.5 - 4.5               | 3.75                   |
| Total Aerobic Count<br>(0478) (Poured plate)                            | 100 CFU/g MAX           | <10 CFU/g              |
| Mold<br>(0479) (Poured plate)                                           | 10 CFU/g MAX            | <10 CFU/g              |

**Disclaimer:** This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any other process. Such information is to be the best of the company's knowledge and believed accurate and reliable as of the date indicated. However, no representation, warranty or guarantee of any kind, express or implied, is made as to its accuracy, reliability or completeness and we assume no responsibility for any loss, damage or expense, direct or consequential, arising out of use. It is the user's responsibility to satisfy themselves as to the suitability & completeness of such information for their own particular use.

|                                                       |              |           |
|-------------------------------------------------------|--------------|-----------|
| Yeast<br>(0479) (Poured plate)                        | 10 CFU/g MAX | <10 CFU/g |
| Escherichia Coli<br>(0512) (Enrichment per g)         | Negative/g   | Pass      |
| Pseudomonas Aeruginosa<br>(0454) (Enrichment per g)   | Negative/g   | Pass      |
| Candida Albicans<br>(0511) (Enrichment method per g)  | Negative/g   | Pass      |
| Coag. Pos. Staphylococci<br>(0453) (Enrichment per g) | Negative/g   | Pass      |

“Certified in compliance with the terms of the US-Canada Organic Equivalency Arrangement. The above data was obtained using the test indicated and is subject to the deviation inherent in the test method. Results may vary under other test methods or conditions.

This report is not to be signed.

All data are as per our supplier.

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