



# ANDEAN Q ULTRA ORGANIC

## PURIFIED QUILLAJA SAPONARIA EXTRACT

### TECHNICAL DATA SHEET

<b>DESCRIPTION:</b>	ANDEAN Q ULTRA ORGANIC is the purified natural extract of the Chilean Soap Bark Tree ( <i>Quillaja saponaria</i> Bark Extract or <i>Quillaja saponaria</i> Wood Extract) made under organic regulation.
<b>COMPOSITION:</b>	<p>≥ 18.0 % purified Quillaja Extract solids</p> <p>&lt; 1.0 % citric acid</p> <p>80.0 ± 2.0 % Loss on Drying</p>
<b>CONCENTRATION:</b>	<p>21.0 ± 2.0 °Brix @ 20 °C (by refractometer).</p> <p>Triterpenic Saponins (determined by RP-UPLC)      14.5 % ± 1.5 %</p> <p>Other naturally occurring Quillaja solids              5.5 % ± 1.5 (sugars, low molecular weight polyphenols, etc.)</p> <p>Note: Natural extracts vary in content throughout the year, however, specific batch analysis are available upon request.</p>
<b>APPEARANCE:</b>	Light amber liquid
<b>ODOR:</b>	None at recommended usage level
<b>SPECIFIC GRAVITY:</b>	≥ 1.06 (approximately 8.84 pounds/gallon)
<b>COLOR:</b>	≤ 0.7 absorbance (10 °Brix diluted filtered sample, 520 nm)
<b>PRESERVATIVES:</b>	None
<b>pH:</b>	3.8 – 4.8 (direct measurement)
<b>MICROBIOLOGICAL:</b>	<p>Yeast:      Less than 100 CFU/g</p> <p>Mold:      Less than 100 CFU/g</p> <p>Aerobic Plate Count:      Less than 1000 CFU/g</p>
<b>PACKAGING:</b>	Packed in one or five gallon HDPE plastic containers.
<b>SHELF LIFE:</b>	Six months when stored at 5 to 25° C in the unopened    originally sealed container.
<b>REGULATORY:</b>	<i>Quillaja saponaria</i> Molina is approved for use in food and beverages by the FDA under CFR 172.510, FEMA number 2973. CAS N° 68990-67-0. Certified organic by IMO (120289-NOP processing) and OTCO (OT-002544 handling).

