

**LANABLUE™ paraben free - SPECIFICATION CRITERIA**  
**SP-3378802-13**

DEFINITION	Aphanizomenon flos-aquae var. flos aquae extract
INCI NAME (US)	Hydrogenated Starch Hydrolysate, Water, Aphanizomenon Flos-aquae Extract
INCI NAME (EU)	Hydrogenated Starch Hydrolysate, Aqua, Aphanizomenon Flos-aquae Extract
ANTIOXYDANT(S)	None
PRESERVATIVE(S)	Phenoxyethanol, Potassium sorbate
APPLICATION	Cosmetic ingredient

ORGANOLEPTIC CHARACTERISTICS	METHOD	SPECIFICATIONS
<i>Aspect</i>	<i>Visual</i>	<i>Slightly viscous translucent liquid</i>
<i>Colour</i>	<i>Visual</i>	<i>Blue to green (blue cyan)</i>
<i>Odour</i>	<i>Olfactive</i>	<i>Characteristic</i>
PHYSICO-CHEMICAL CHARACTERISTICS	METHOD	SPECIFICATIONS
<i>Relative density</i>	<i>Density Measurement</i>	<i>1.210 – 1.250</i>
<i>pH (pur)</i>	<i>pH-meter</i>	<i>5.0 – 7.0</i>
<i>Refractive index</i>	<i>Refractometer</i>	<i>1.410 – 1.450</i>
IDENTIFICATION AND DOSAGE	METHOD	SPECIFICATIONS
<i>Infrared spectrum</i>	<i>FTIR</i>	<i>Complies with standard</i>
<i>Heavy metals (ppm)</i>	<i>ICP</i>	<i>&lt; 10</i>
<i>Arsenic (ppm)</i>	<i>ICP</i>	<i>&lt; 2</i>
<i>Microcystin content* (ppm)</i>	<i>Supplier's method</i>	<i>≤ 1.00</i>
MICROBIOLOGICAL CHARACTERISTICS	METHOD	SPECIFICATIONS
<i>Aerobic Mesophilic Bacteria (CFU/ml)</i>	<i>ISO 21149 or USP &lt;61&gt;**</i>	<i>&lt; 100</i>
<i>Yeasts &amp; Moulds (CFU/ml)</i>	<i>ISO 16212 or USP &lt;61&gt;**</i>	<i>&lt; 10</i>
<i>S. aureus (/g)</i>	<i>ISO 22718 or USP &lt;62&gt;**</i>	<i>Absence</i>
<i>P. aeruginosa (/g)</i>	<i>ISO 22717 or USP &lt;62&gt;**</i>	<i>Absence</i>
<i>C. albicans (/g)</i>	<i>ISO 18416 or USP &lt;62&gt;**</i>	<i>Absence</i>
<i>E. coli (/g)</i>	<i>ISO 21150 or USP &lt;62&gt;**</i>	<i>Absence</i>

\* Microcystin content: This result comes from the raw material (Klamath Lake Algae).

\*\* Method determined according to manufacturing site

SHELF LIFE	36 months in its unopened original packaging.
STORAGE TEMPERATURE	Keep at room temperature
STORAGE CONDITIONS	Protect from direct light, air and humidity. Reclose immediately after use.
USE CONDITIONS	Shake well before use.
PACKAGING	HDPE bottles



Virginia KEITH  
Quality Assurance Department

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Date