



## Centella Asiatica Extract – Technical Data Sheet (1% Asiaticoside)

<b>INCI Name</b>	Centella Asiatica Extract
<b>Botanical Source</b>	Centella asiatica (L.) – Leaf and Stem
<b>Specification</b>	1% Asiaticoside (HPLC)
<b>Physical Form</b>	Fine green to brown powder
<b>Smell</b>	Mild herbal, characteristic
<b>Solubility in Water</b>	~10–15 g/L at 45–60 °C with stirring
<b>Solubility in Oil</b>	Practically insoluble
<b>Recommended Solubilization Method</b>	<ul style="list-style-type: none"><li>- Disperse in warm water (~50–60 °C)</li><li>- Stir thoroughly for 5–10 minutes</li><li>- Filter to remove insolubles if needed</li></ul>
<b>Cosmetic Functions</b>	Skin conditioning, antioxidant, soothing
<b>Recommended Use Level</b>	0.5–2% (in water phase)
<b>Preservation/Handling</b>	Store in a tightly sealed container in a cool, dry, dark place
<b>Shelf Life</b>	24 months in unopened original packaging under proper storage
<b>Toxicity Criteria</b>	
NOAEL	1000 mg/kg bw/day (oral, 90-day rat study)
LD50	>2000 mg/kg bw (oral, rat)
Genotoxicity	Negative in vitro and in vivo studies