

## Technical Data Sheet

### A. GENERAL INFORMATION

Viablif® Ceramide 3 is a natural product based on fermentation-derived phytosphingosine. Like most natural ceramides, Viablif® Ceramide 3 is composed of a phytosphingosine backbone and saturated fatty acid acylation, which, unlike chemically synthesized ceramide-like products, is identical to the naturally occurring ceramide 3 in the skin. The recommended dosage is 0.3% - 3%, depending on the skin type and the desired effect.

<b>Product Name</b>	N-Stearoyl-phytosphingosine (Ceramide 3)
<b>CAS No.</b>	34354-88-6
<b>Packaging</b>	Carton lined with PE plastic bags or as per Buyers' Requirements
<b>Storage condition</b>	Store in a cool, dry place, but not frozen, and away from bright light and heat sources. It is valid for 2 years if the package is intact and unopened.

### B. SPECIFICATION

Test	Specification
<b>Appearance</b>	White to off-white powder
<b>Purity (HPLC)</b>	>95.0%
<b>Odor</b>	Characteristic odor
<b>Melting point</b>	98.0°C-110.0°C
<b>Free phytosphingosine</b>	<2.0% (wt%)
<b>Heavy metals (Pb)</b>	≤20 ppm
<b>Loss on drying</b>	≤1.0%
<b>Total bacteria</b>	≤100 cfu/g
<b>Total mold &amp; yeast</b>	≤100 cfu/g
<b>Heat-resistant <i>E. coli</i></b>	Must not be detected
<b><i>Staphylococcus aureus</i></b>	Must not be detected

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