

## **CERTIFICATE OF ANALYSIS**

<b>Product Name</b>	Polysorbate 80
<b>INCI Name</b>	Polysorbate 80
<b>CAS#</b>	9005-65-6
<b>Lot Number</b>	2000124755
<b>Manufacture Date</b>	03/2023
<b>Re-test Date</b>	03/2025

<b>Characteristic</b>	<b>Specifications</b>	<b>Result</b>
<b>Colour at 25°C</b>	7 Max. gardner	7
<b>Acid Value</b>	2 Max. mg/g KOH	0.45
<b>Saponification Value</b>	45 - 55 mg/g KOH	47.6
<b>Iodine Value</b>	19 - 24 cg/g J	20.3
<b>Hydroxyl Value</b>	65 - 80 mg/g KOH	66.6
<b>Peroxide Value</b>	5 Max. ppm	1.78
<b>Water, Karl-Fisher</b>	2.5 - 3.0 %	2.71
<b>Free ethylene oxide</b>	1 Max. ppm	0.00
<b>Dioxane</b>	5 Max. ppm	0.00
<b>Heavy Metals</b>	10 Max ppm	1.10
<b>Ashes</b>	0.15 Max %	0.03

### **STABILITY AND STORAGE:**

Keep in tightly closed container in a cool and dry place, protected from sunlight. When stored for more than 36 months, quality should be checked before use.

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