

CERTIFICATE OF ANALYSIS

Product Name	Polysorbate 20
Product Code	AL00131
INCI Name	Polysorbate 20
CAS Number	9005-64-5
Lot Number	436
Manufacture Date	03/2025
Re-test Date	02/2028

Parameter	Value	Result
Colour at 25°C	max 5 [Gardner]	4.5
pH (5% aqueous solution)	5.0 – 7.0	5.94
Acid value	max 2 [mg/g KOH]	0.75
Saponification value	40 – 50 [mg/g KOH]	48
Iodine value	max 5 [g I ₂ /100 g]	1.02
Hydroxyl value	96 – 108 [mg/g KOH]	96.9
Peroxide value	max 5 [meq O ₂ /kg]	2.46
Water (Karl Fischer)	2.5 – 3.0 [%]	2.79
Free ethylene oxide	max 1 [ppm]	0.00
Dioxane	max 5 [ppm]	1.16
Heavy metals / Ash	max 10 / max 0.15 [ppm / %]	<10 / <0.15
IR spectrum	conforms to STD	conforms

STABILITY AND STORAGE:

Keep in tightly closed container in a cool and dry place, protected from sunlight.
When stored for a period longer than the one specified above, quality should be checked before use.

As it is electronically generated document, hence no signature required

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