

Certificate of Analysis

Product: Polysorbate 20, Derived from Palm, Food Grade, Kosher, Halal

Item Number: PS20F

CAS#: 9005-64-5

Grade: Food

Lot Number: 5001853/9.1

Manufacture Date: 04/30/2026

Expiration Date: 04/29/2029

Country of Origin: India

Tested Property	Specification	Analysis
Appearance	Yellow to Amber Oily Liquid	Pass
Gardner Color	Max. 6	1.6
Acid Value	Max. 2	0.50
Saponification Value	40 - 50	44
Hydroxyl Value	96 - 108	101
pH, 5% Solution	5.0 - 8.0	6.72
Moisture	Max. 3.00%	2.08
Solubility	Soluble in water, ethanol	Pass
1,4 Dioxane	Max. 5 ppm	<1
Ethylene Oxide	Max. 1 ppm	0.89

Store in a cool, dry, and well-ventilated environment at room temperature.

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Note: The information and recommendations of Lab Alley concerning this product are based upon laboratory tests and experience. To the best of our knowledge and belief these are true and accurate, however Lab Alley assumes no obligation or liability for the information in this document. Since conditions of actual use are beyond our control, any recommendations or suggestions regarding merchantability and fitness for particular purposes are made without warranty, expressed or implied.

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Phone: 512-668-9918, Fax: 512-886-4008,

E-mail: customercare@laballey.com,
www.laballey.com,

12501 Pauls Valley Road, Suite A, Austin, Texas 78737.

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