

Propylparaben NF

INCI Name: Propylparaben

CAS Numbers: 94-13-3



Description:

Propylparaben may also be called propyl paraben; it is the propyl ester of p- hydroxybenzoic acid. This is naturally derived from plants, as well as a few different types of insects; it is also manufactured synthetically for many industries such as the personal skin care and cosmetic industries. This chemical is a preservative and a food additive.

Propylparaben is considered an indispensable ingredient in many personal care products because of its ability to improve the shelf life and the quality of skin care and hair care products.

Technical Data:

APPEARANCE:	White crystalline powder
INFRARED ABSORPTION:	Conforms to USP/NF
MELT POINT (°C):	96 – 98
COLOR OF SOLUTION:	Conforms to USP/NF
ACIDITY:	0.1 MAX
RELATED SUBSTANCES:	p-Hydroxybenzoic Acid: 0.5% MAX Unspecified Impurities: 0.5% MAX Total Impurities: 1.0% MAX
RESIDUE ON IGNITION:	0.05% MAX
SULFATED ASH:	0.05% MAX
ASSAY:	98 – 102%
LEAD:	2 ppm MAX
LOSS ON DRYING:	0.5% MAX
RESIDUAL SOLVENT (1-Propanol):	5000 ppm MAX



McKinley Resources, Inc.

P.O. Box 810472 Dallas, TX 75381

Phone: 972-620-9730 Fax: 972-421-1860

www.mckinleyresources.com ▪ info@mckinleyresources.com

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Applications:

The compound is used extensively in the cosmetics industry, and is considered safe at concentrations of up to 25%. It has become the preservative of choice, especially for cosmetics that are water-based — such as moisturizers, shampoos, shower cleansers, conditioners, and sunscreens. Lipsticks, foundations, mascaras, and eye shadows may also contain it.



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