

Certificate of Analysis

(Representative Sample Certificate)

Product Name: Polyhydroxystearic Acid
INCI Name: Polyhydroxystearic Acid
CAS Number: 58128-22-6
Lot Number: Not available (data may vary slightly with different lots or batches)
Expiration Date: 36 months from production date

Analytical Tests	Specification	Analysis
Appearance	Light tan to brown paste	Pass
Odor	Characteristic	Pass
Melting Point (USP 741, Apparatus)	50-70oC	55.9oC
Acid Value (USP 401)	<10	5.9
Saponification Value (USP 401)	90-125	97
Penetration (ASTM D1321)	75-120, 100g, 5 sec, at 25oC	83
Color (visual)	Light to tan brown	Pass

The above data were obtained using the test indicated and is subject to the deviation inherent in the test method. Results may vary under other test methods or conditions.

This report is not to be signed.

Disclaimer: This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any other process. Such information is to be the best of the company's knowledge and believed accurate and reliable as of the date indicated. However, no representation, warranty or guarantee of any kind, express or implied, is made as to its accuracy, reliability or completeness and we assume no responsibility for any loss, damage or expense, direct or consequential, arising out of use. It is the user's responsibility to satisfy himself as to the suitability & completeness of such information for his own particular use.