

## CERTIFICATE OF ANALYSIS

<b>Product Name:</b>	Polyhydroxystearic Acid		
<b>INCI Name:</b>	Polyhydroxystearic Acid		
<b>CAS Number:</b>	58128-22-6		
<b>Batch Number</b>	20221025	<b>Manufacture Date</b>	20221025
<b>Report Date</b>	20221025	<b>Expiry Date</b>	20241024

Test Items	Specifications	Results
Melting Point	50-70° C	Pass
Acid Value	<10 mg KOH/g	6.9 mg KOH/g
Saponification Value	90-125 mg KOH/g	103 mg KOH/g
Penetration (100g, 5 sec, @ 25° C)	75-120 dmm	84 dmm
Arsenic, ppm	2.0 Maximum	Pass
Color	Light tan to brown	Pass

**Storage:** Store in tight, light-resistant containers, avoid exposure to direct sunlight, moisture and excessive heat.

**Shelf Life:** 24 months if store under the conditions above and stay in original packaging

