



# Certificate of Analysis

## (Representative Sample Certificate)

**Product Name:** Stearyl Alcohol NF  
**CAS Number:** 112-92-5  
**Batch Number:** N/A (Data may vary slightly with different lots or batches)

Analysis Parameters	Specification	Results
Appearance at 25 °C	White Solid / Pastilles	White Pastilles
Color (APHA units)	10 Max	4
Acid Value (mg of KOH / gm)	0.1 Max	0.016
Saponification Value (mg of KOH / gm)	0.3 Max	0.18
Iodine Value (g of I <sub>2</sub> / 100 gm)	0.3 Max	0.17
Hydroxyl Value (mg of KOH / gm)	200 - 210	207.1
Hydrocarbons (% by GLC)	0.5 Max	0.11
Moisture (% by wt.)	0.1 Max	0.068
Melting Point (in °C)	56 - 59	57.5

Carbon Chain Distribution by GLC, %		
C-14 and lower	< 0.5	0.06
C-16	< 1.0	0.15
C-18	> 98.0	98.67
C-20 & higher	< 1.0	0.34

**Remarks:** Batch conforms to the specifications and is passed. Material also conforms to the USP42 / NF37 specifications including residual solvent as per <467> NF37. Results on individual shipments will vary within the specifications. Specifications are subject to change.

**Best Before:** 2 years from date of manufacture

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