



# N. K. INDUSTRIES LIMITED

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## Test Parameters of 12 Hydro Stearic Acid Powder

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Rev Date :

Reviewed By:

Approved By:

Sr. No.	Specification / Characteristics	Test Method	Parameters
1.	Apperance		Off White to Creamish White Powder
2.	Colour Gardner	AOCS Td 1a-64	3 to 5 Gardner
	Colour Apha		-
	Colour Lovibond 5 ¼ ' Cell		-
3.	Acid Value % (mgKOH/gm)	Aocs cdc.3d.63	175 – 185
4.	Iodine Value $gl_2/100g$	Aocs cd 1.25	3 to 4
5.	Hydroxyl Value (mgKOH/gm)	Aocs cd 13.60	157 Min
6.	Saponification Value	Aocs cd 3.25	180 Min
7.	Melting Point ° C	Acos cd 1.25	72 to 78° Celsius
8.	Unsaponifiable Matter	Aocs TK 1a.64	1.0 Max
9.	Nickel PPM	AAS or ICP	3 - 5 PPM
10.	12 Keto Stearic Acid	G.C.	4 Max
11.	12 HSA %	G.C., Aocs cd 1.62	83 – 87
12.	Particle Size	-	72% Passing through 16 Mesh
			95% Passing through 35 Mesh