



# GUJARAT STATE FERTILIZERS & CHEMICALS LIMITED

Registered Office : P.O. Fertilizernagar-391750. Dist. Vadodara, Gujarat, India.

F:02:334:1

Date:19.01.2019

## CAPROLACTAM QUALITY CERTIFICATE

Date of Manufacturing : 13.01.2019  
Date of Analysis : 15.01.2019  
Sample : CAPROLACTAM (FLAKES)  
Batch No. : 13JAN19

Sr. No.	Product characteristics	Unit	Test Method	Guaranteed Specs	Actual Analysis
1	SOLIDIFICATION POINT	Deg C	W:43:700	MIN.68.8	69.200
2	WATER CONTENT	%	W:43:701	MAX.0.1	0.010
3	CONTENT OF VOLATILE BASES	Meq/Kg	W:43:702	MAX.0.5	0.100
4	CONTENT OF FREE BASES	Meq/kg	W:43:703	MAX.0.1	0.017
5	CONTENT OF FREE ACIDS	Meq/kg	W:43:703	MAX:0.05	NIL
6	COLOUR NUMBER OF 50% (M/M) AQUEOUS SOLUTION	APHA	W:43:704	MAX.5.0	1.000
7	PERMANGANATE NUMBER(PN) (IN 1% AQUEOUS SOLUTION)	Second	W:43:705	MIN.20000	27000.000
8	ABSORBANCE AT 290 NM (50% SOLUTION)		W:43:706	MAX.0.05	0.010
9	CYCLOHEXANONE OXIME CONTENT	Mg/kg	W:43:707	MAX.10.0	1.200
10	IRON CONTENT	Mg/kg	W:43:709	MAX.0.5	NIL
11	WATER INSOLUBLE	Mg/kg	W:43:710	MAX.10.0	NIL

Certified that the product confirms to all the requirements as per guaranteed specifications.

This is computer generated copy hence signature is not required.