

CERTIFICATE OF ANALYSIS

Product name	6-Aminocaproic acid	Manufacture date	2020-03-15
Batch number	KN200315	Sampling date	2020-03-21
Batch quantity	250kg	Analysis date	2020-03-28
Packing	25kg/drum	Expiry date	2022-03-14

ANALYSIS	SPECIFICATION	RESULT
Assay ($C_6H_{13}NO_2$)	$\geq 98.50\%$ calculated on anhydrous basis	99.9%
Appearance	White crystalline powder	Complies
Solubility	Freely soluble in water, almost insoluble in chloroform or ether.	Complies
Identification	The infrared absorption spectrum is concordant with the reference spectrum	Complies
Melting point	204 ~ 207°C	Complies
Clarity of solution	Should be conform	Complies
PH	7.5-8.0	7.8
Calciumion	Should be conform	Complies
Chloride	$\leq 14\text{ppm}$	Complies
Heavy metal	$\leq 10\text{ppm}$	Complies
Loss on drying	$\leq 0.5\%$	0.05%
Sulphate	$\leq 0.01\%$	Complies
Residual on ignition	$\leq 0.1\%$	0.05%
Heavy metal	$\leq 10\text{ ppm}$	Complies
Conclusion	Conform with In House Standard	
Packing & Storage	Cool and Dry	
Shelf life	2 years when properly stored	



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