

# HANGZHOU OCEAN CHEMICAL CO., LTD

Room 623 ,Building No 1 , COFCO Radius Commercial Center,Xiwen Road, Xiacheng District, Hangzhou China

Tel: +86-571-58116972 Fax: +86-571-88025871 Mobile: +86 18013277128

## CERTIFICATE OF ANALYSIS

Product name	1,10-PHENANTHROLINE MONOHYDRATE
CAS NO	5144-89-8
Batch No	190415
Quantity	50KG
Manufacturing date	Apr.15, 2019
Analysis date	Apr.15, 2019
Quality Standard	Enterprise standard

Test items	Specifications	Results
Appearance	white crystal or crystalline powder	Conforms
Assay(dried substance)	99.0%	99.1%
Molar absorption coefficient of iron complex	$\geq 1.15 \times 10^4 \text{L/cm}\cdot\text{mol}$	Conforms
Ignition residue (sulphates)	$\leq 0.1\%$	0.05%
Water	8.5-10.0%	9.3%
Ethanol dissolution experiment	Conforms	Conforms
Conclusion	The result conforms to the enterprise standard as above FOR LABORATORY USE ONLY	

Q.C.Director:

Analyst:

Collator:

