

CERTIFICATE OF ANALYSIS

PRODUCT NAME: MORPHOLINE

BATCH NO.: 20230131

NET WEIGHT: 16000 KGS

INSPECTION STANDARD: GB/T28608-2012

DATE: FEBRUARY 5, 2023

CONTENT	GRADE 1	RESULT
Assay	Not less than 99.0%	99.52%
Color, by APHA	≤10	≤10
Distillation range	Between 126.0 and 130.0° C	126.7-129.6
Specific gravity	Between 0.994 and 0.997 at 20° C	0.995
Water Content %	0.2 MAX	0.11
Refractive index	Between 1.454 and 1.455 at 20° C	1.455
Heavy metals (as Pb)	Not more than 1 mg/kg	<1
Density	Between 0.999 and 1.002 at 20° C	1.001

PO NO.: DE/22

MANUFACTURING DATE: 20230131

EXPIRATION DATE: 20250130

MANUFACTURER: ANHUI HAUYUAN CHEMICAL GROUP CO LTD

INSPECTION RESULT: GRADE 1

SIGN: 