



Chang Zhou Qi Di Chemical Co., Ltd

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CERTIFICATE OF ANALYSIS

Product Name		Glacial acetic acid	
Product Quality Standard		National Standard GB/T 1628-2018	
Sample Time	2023.02.03	Batch Number	Cs230203
Batch	80MT	Expiry Date	12 months

Quality Specification				
Analysis items	Specification			
	Percent:99.85%			
	Super Grade	First Grade	Normal Grade	Performance
Appearance	Clear and free of suspended matter			Clear
Color(Pt-Co)	≤10	≤20	≤30	5
Assay%	≥99.8	≥99.5	≥98.5	99.85
Moisture%	≤0.15	≤0.20	---	0.06
Freezing Point °C	MIN16.45	MIN16.40	MIN16.35	16.45
Density(20°C)	1.048-1.051	1.048-1.051	1.048-1.051	1.049
Formic Acid %	≤0.05	≤0.10	≤0.30	0.02
Acetaldehyde %	≤0.03	≤0.05	≤0.10	0.02
Chloride(Cl-) %	≤0.0001	≤0.0001	≤0.0002	0.0001
Sulphate(SO4-) %	≤0.0001	≤0.0002	≤0.0003	0.0001
Iron%(as Fe)	≤0.00004	≤0.0002	≤0.0004	0.00003
Heavy metal(as Pb)	≤0.00004	≤0.00005	≤0.00005	0.00002
Permanganate Time	≥30	≥5	---	>30
Evaporation Residue%	≤0.01	≤0.02	≤0.03	0.01

Approved By: LIN PING

Checked By: SUN YANPING