

ARTEL CHEMICAL INDUSTRY CO.,LIMITED

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Certificate of Analysis

Production name	Urea for Diesel Automobile Engine Exhaust Purification	Batch No.	Ton bags 2024020815(24:00)
Production Date	Feb-08-2024	Tested Date	Feb-08-2024
Test Standard	HG/T 5559-2019	Product rate	grade I
Test Items	Quality Index	Tested results	Test standards
Appearance	White granular or crystalline, without mechanical impurities.	White granular or crystalline, without mechanical impurities	HG/T5559-2019
Mass fraction of total nitrogen (N), %	≥46.4	46.60	GB/T2441.1-2008
Biuret (mass fraction),wt%	≤0.85	0.75	GB/T2441.2-2010
Basicity (NH ₃) wt%	≤0.20	0.01	GB /T 2441.2-2010
Aldehydes (calculated as HCHO) (mg/kg)	≤12	1.20	GB 29518-2013 Appendix D
Water content, wt%	≤0.7	0.20	GB/T 2441.3-2010
water insoluble (mg/kg)	≤50	6.60	GB 29518-2013 Appendix E
Phosphate (calculated as PO ₄) , (mg/kg)	≤1.0	<0.05	GB 29518-2013 Appendix F
Ca, (mg/kg)	≤1.0	Not detected	GB 29518-2013 Appendix G
Fe, (mg/kg)	≤1.0	Not detected	
Cu, (mg/kg)	≤0.50	Not detected	
Zn, (mg/kg)	≤0.50	Not detected	
Cr, (mg/kg)	≤0.50	0.083	
Ni, (mg/kg)	≤0.50	Not detected	
Al, (mg/kg)	≤1.0	Not detected	
Mg, (mg/kg)	≤1.0	Not detected	
Na, (mg/kg)	≤1.0	Not detected	
K, (mg/kg)	≤1.0	Not detected	
Conclusion	The product quality is accord with the standard.		

Reviewed By: Ma XiuYing

Tested By: Yao GuiJing

