

ARTEL CHEMICAL INDUSTRY CO.,LIMITED

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Certificate of Analysis

Tested No. SL.H.II ZJ08.010

Production Date	Aug.10-2020	Production Qty.	1000MT
Batch No.	20220810	Test Standard	Q/370000SLH018-2019
Automotive grade urea test results			
Test Items	Quality Index	Tested results	Test standards
Appearance	White granular or crystalline, without mechanical impurities.	White granular or crystalline, without mechanical impurities	visual inspection
Mass fraction of total nitrogen, %	≥46.0	46.20	GB/T2441.1
Biuret (mass fraction),wt%	≤0.87	0.82	GB/T2441.2
Basicity (NH3) wt%	≤0.50	0.01	GB 29518
Aldehydes (calculated as HCHO) (mg/kg)	≤10	3.30	
water insoluble (mg/kg)	≤30	8.30	
Phosphate (calculated as PO4) , (mg/kg)	≤1.50	0.30	
Ca, (mg/kg)	≤1.50	0.02	
Fe, (mg/kg)	≤1.50	0.01	
Cu, (mg/kg)	≤0.60	0.01	
Zn, (mg/kg)	≤0.60	0.01	
Cr, (mg/kg)	≤0.60	0.20	
Ni, (mg/kg)	≤0.60	0.15	
Al, (mg/kg)	≤1.50	0.01	
Mg, (mg/kg)	≤1.50	0.02	
Na, (mg/kg)	≤1.50	0.02	
K, (mg/kg)	≤1.50	0.05	
Conclusion	Qualified as Automotive grade urea		

Reviewed By: Ma XiuYing

Tested By: Yao GuiJing

