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CERTIFICATE OF ANALYSIS

Product: Polyethylene Glycol 6000 Batch NO.: AQ20230326
 Manufacture Date: 2023.03.26 Valid Date: 2023.03.25
 Pack: 25KG/Bag Quantity: 7000KG
 Sampling date: 2023.03.31 Report date: 2023.04.18
 Technical specification: Current EP/USP

Test items	Analytical methods	Standard	Result	Result found
Appearance (25°C)	Current EP	White or almost white solid Flakes or Powder	White Powder	Qualified
Identification	Current EP	A	Conforms	Qualified
	Current EP	B	Conforms	Qualified
	Current EP	C	Conforms	Qualified
Appearance of solution	Current EP	Meet requirements	Conforms	Qualified
Completeness and Color of Solution	Current USP	Meet requirements	Conforms	Qualified
Acidity or alkalinity	Current EP	Meet requirements	Conforms	Qualified
Acidity and Alkalinity	Current USP	4.5~7.5	6.2	Qualified
Average Molecular Weight	Current USP	5400-6600	6125	Qualified
Viscosity(98.9C, cst)	Current USP	250-390	259	Qualified
Viscosity(20C, mPa·s)	Current EP	200-270	210	Qualified
Freezing point (C)	Current EP	55-61	55.3	Qualified
Hydroxyl value	Current EP	16-22	17.9	Qualified
Reducing substances	Current EP	Meet requirements	Conforms	Qualified
Formaldehyde (ppm)	Current EP	≤15	Conforms	Qualified
Ethylene oxide(ppm)	Current EP	≤1	ND	Qualified
Dioxan(ppm)	Current EP	≤10	ND	Qualified
Free Ethylene Oxide(μg/g)	Current USP	≤10	ND	Qualified
1,4-Dioxane(μg/g)	Current USP	≤10	ND	Qualified
Water (%)	Current EP	≤1.0	0.29	Qualified
Sulfated ash(%)	Current EP	≤0.2	≤0.03	Qualified
Residue on Ignition (%)	Current USP	≤0.1	≤0.03	Qualified
Heavy Metals (ppm)	Current USP	≤5	Conforms	Qualified
Conclusion	According to Current EP、Current USP standard,the results meet the requirements.			

QC Supervisor: Liuxixia

Recheck: Jinchangyun

Analyst: Zhang Bin

