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Certificate of analysis

品名	聚乙烯吡咯烷酮 K30 Polyvinylpyrrolidone	CAS	9003-39-8
货号	D10296	批次	OK20241118D
生产日期	2024-11-18	复测日期	2026-11-17
执行标准:企业标准			
分析项目 SPECIFICATION PROPERTIES	技术指标 STANDARD	实测结果 RESULTS	
性状 Character	白色至乳白色粉末;无臭或稍有特臭。在水、甲醇或乙醇中易溶,在丙酮中极微溶解,乙醚中不溶 White to milky white powder; Odorless or slightly odorous. Easy to dissolve in water, methanol or ethanol, extremely slightly soluble in acetone, insoluble in ether	符合规定 Compliance	
鉴别 Identify	(1)生成橙黄色沉淀; (1) Generate orange yellow sediment;	呈正反应 positive reaction	
	(2)生成浅蓝色沉淀; (2) Generate a light blue precipitate;	呈正反应 positive reaction	
	(3)生成棕红色沉淀,搅拌,溶解成棕红色溶液: (3) Generate brownish red precipitate, stir, dissolve into brownish red solution:	呈正反应 positive reaction	
	(4)本品的红外光吸收图谱应与对照品的图谱一致; (4) The infrared absorption spectrum of this product should be consistent with the spectrum of the reference substance;	符合规定 Compliance	
	溶液应澄清无色,如显浑浊,与1号浊度标准液比较,不得更浓;如		

溶液澄清度与颜色 Clarity and color of solution	显色, 与黄色1号或棕红色2号标准比色液比较, 不得更深 The solution should be clear and colorless. If it appears turbid, it should not be thicker than the turbidity standard solution No. 1; If the color appears, it should not be darker compared to the standard colorimetric solution of Yellow No. 1 or Brown Red No. 2	澄清无色 Clear and colorless
K值 K value	27.0-32.0	30.22
水分 Moisture%	≤5.0	0.94
酸度 Acidity	3.0-5.0	3.51
N-乙基吡咯烷酮 1-Vinylpyrrolidin-2-one %	≤0.001	0.0004
炽灼残渣 Residuc on ignition%	≤0.1	0.01
含氮量 Nitrogen%	11.5-12.8	11.9
醛(以乙醛计) Aldchydcs (as acetaldehyde) %	≤0.05	0.0453
肼 Hydrazine ppm	≤1.0	<1.0
重金属 heavy metal ppm	≤10	<10
过氧化物 Peroxides(as H2O) ppm	≤400	81
2-吡咯烷酮 2-Pyrrol idone %	≤2.0	1.77
甲酸 Formic acid %	≤0.5	0.13

注: 此产品仅限用于科研, 禁止直接用于临床, 如有失误, 后果自负。

QA: 杜冰冰

QC: 谢辉



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