

PVP-40 (average Mn ~40,000)

Description

The product is the core raw material for nucleic acid extraction after strict screening and quality control. Polyvinylpyrrolidone, PVP, Usually used as thickener, dispersant, antidote, compounding agent, lubricant and adhesives in nucleic acid extraction. PVP-40 can form an insoluble complex with polyphenols, which can effectively remove polyphenols and reduce the pollution of phenols in DNA/RNA. It can also combine with polysaccharides to effectively remove polysaccharides.

Ordering Information

CAT.No.	Product Name	Package
C198	PVP-40	100G
C199	(Molecular Biology)	1KG

Specifications

Product Name	PVP-40, Polyvinylpyrrolidone	
Basic content	Recommended application	nucleic acid extraction and purification
	CAS NO	9003-39-8
	Synonymous names	Polyvinylpyrrolidone K40; Polyvidone; Povidone
	Linear molecular formula	(C ₆ H ₉ NO) _n
	Average molecular weight	40,000
	Purity	≥99.0%
	appearance	White, nearly white or light yellow solid, with a slight smell
	Solubility	Easily soluble in water, alcohol, amine and halogenated hydrocarbon. Insoluble in acetone, ether, etc.
	Storage conditions	room temperature, valid for at least 3 years
	Transportation conditions	room temperature
Impurity parameters	Heavy Metal	≤0.001%
UV absorption value	Absorbance value@230 (0.01M)	≤30
	Absorbance value@260 (0.01M)	≤20
	Absorbance value@280 (0.01M)	≤10
	Absorbance value@320 (0.01M)	≤1.5
Nucleic acid extraction related	pH (5% water, 25°C)	3.0~7.0
	DNase	Not detected
	RNase	Not detected
	Plasmid DNA extraction test	adopt