



Specification

Product Code	F05S01	Ver.	05	Effective	2015-05-29
Doc. No.	Spec-F05S01-05	Sup.	Spec-F05S01-04	Review Date	2017-05-28
Product Name	Povidone K30			Page No.	2 / 3

Description

CAS#: 9003-39-8

Chemical name: Polyvinylpyrrolidone , - poly-[1-(2-oxo-1-pyrrolidinyl)-ethylene]

Chemical formula: (C₆H₉NO) n

Average molecular weight: Not less than 25 000

Synonyms: Povidone K30; PVP K30

Grade: FCC 7; E 1201

Specification

Item	Tolerance	Reference
Appearance	White or nearly white powder .	TM-F05S01
Identification A	An orange-yellow precipitate forms.	TM-F05S01
Identification B	A pale blue precipitate forms.	TM-F05S01
Identification C	A deep red color appears.	TM-F05S01
Identification D	Soluble in water and in ethanol. Insoluble in ether	TM-F05S01
Assay (Nitrogen)	11.5%~12.8%	GM-053
pH (1 in 20)	3.0~7.0	GM-003
Aldehydes	NMT 0.05%	GM-006
Hydrazine	NMT 1 mg/kg	GM-025
Lead	NMT 2 mg/kg	GM-046
Cd	NMT 1ppm	GM-046
Hg	NMT 0.1ppm	GM-046
K-Value	27.0~32.0	GM-002
Residue on Ignition	NMT 0.1%	GM-007
Unsaturation (as Vinylpyrrolidone)	NMT 0.001%	GM-030
Water	NMT 5.0%	GM-001

Storage

Packaging: Plastic drums lined double bags, inner PE bag, outer PP bag (Number P807) , 25kgs/drum. (F05S01-05)

Double PE-lined cardboard drums, 25kgs/drum. (F05S01-06)

Storage condition: store in tight containers .

Retest Period: 24 months from the manufacturing date.

Sampling

Quantity: 150g (in which 100g for retention sample and 50g for analysis)

Trade Name

PolyFilter[®] PVP K30