

	Specification					
	Product Code	F21S03	Ver.	06	Effective	2015-05-29
	Doc. No.	Spec-F21S03-06	Sup.	Spec-F21S03-05	Review Date	2017-05-28
	Product Name	Insoluble polyvinylpyrrolidone (Regenerable)			Page No.	2/3

**Description** CAS#: 9003-39-8  
 Synonyms: PVPP; Crospovidone (Regenerable); Cross-linked Povidone; Cross-linked PVP  
 Grade: FCC 8; E 1202; Q/BXZ001-2009

Specification	Item	Tolerance	Reference
	Appearance	White powder	TM-F21S03
	Identification	No blue color appears	TM-F21S03
	Odor	Faint, non-objectionable odor	TM-F21S03
	Taste	To match standard	TM-F21S03
	Solubility	Insoluble in water, ethanol and ether	TM-F21S03
	<u>Particle Size</u>		
	- 80-180µm	NLT 80%	GM-028
	- D50	NLT 74 µm	GM-028
	- Particles <0.25µm	0	GM-028
	pH (1.0g in 100.0ml)	5.0~8.0	GM-003
	Assay (Nitrogen)	11.0%~12.8%	GM-053
	Heavy Metals	NMT 10 ppm	GM-052
	Lead	NMT 2 ppm	GM-046
	Cd*	NMT 1 ppm	GM-046
	Hg*	NMT 1 ppm	GM-046
	Arsenic*	NMT 2 ppm	GM-046
	Residue on Ignition	NMT 0.4%	GM-007
	Water Soluble Substances	NMT 0.5%	GM-011
	Acid/Alcohol Soluble Substances	NMT 1.0%	GM-016
	Peroxides (as H <sub>2</sub> O <sub>2</sub> )	NMT 400 ppm	GM-009
	Unsaturation (N-vinylpyrrolidone)	NMT 5 ppm	GM-030
	Water (Karl Fischer)	NMT 6.0%	GM-001
	Absorb Capacity	NLT 40%	GM-039
	Swell Volume	NMT 6.0 L/kg	GM-043
	Filter Flow Rate	NLT 100 L/h×1600cm <sup>2</sup>	GM-038
	Divinylimidazolidinone (GC) **	NMT 2 ppm	On input

\* *This test is verified on random samples only.*

\*\* *No divinylimidazolidinone is used within the whole manufacturing process.*

**Storage** Packaging: Double PE-lined paper drums, 10kgs/drum. (F21S03-01)  
 Plastic drums lined double bags, inner PE bag, outer PP bag (Number P807) ,  
 20kgs/drum. (F21S03-02)  
 Storage condition: Store in well-closed containers.  
 Shelf Life: 36 months.

**Sampling** Quantity: 300g (in which 200g for retention sample and 100g for analysis)

**Trade Name** PolyFilter<sup>®</sup> R