

## PE-05JPS

Poly(vinyl alcohol) Ph. Eur., Polyvinyl Alcohol USP, Partially Hydrolyzed Polyvinyl Alcohol JPE

### SPECIFICATION

<b>manufacturer:</b>		
JAPAN VAM & POVAL CO., LTD. 11-1, Chikko-Shinmachi 3-cho, Nishi-ku, Sakai-shi, Osaka 592-8331, Japan		
<b>Description:</b>		
Appearance yellowish - white powder / Ph. Eur., USP Solubility soluble in water, slightly soluble in ethanol, practically insoluble in acetone / Ph. Eur., USP		
<b>Characteristics</b>	<b>Acceptance Criteria</b>	<b>Test Reference</b>
Identification A	Passes	Ph. Eur., USP
Identification B	Passes	Ph. Eur., USP
Identification C	Passes	USP
Viscosity (4 %;water)	4.6 – 6.0 mPa· s	Ph. Eur., USP, JPE
pH (4 %,water)	5.0 – 6.5	Ph. Eur., USP, JPE
Degree of Hydrolysis *1	85 – 89 % *1	USP, JPE *1
Acid value	Max. 3.0 mg KOH/g	Ph. Eur., USP
Esther value	126 – 154 mg KOH/g	Ph. Eur.
Water-insoluble substances	Max. 0.1 %	USP
Heavy Metals	Max. 10 ppm	JPE
Limit of methanol	Max. 1.0 %	USP, JPE
Limit of methyl Acetate	Max. 1.0 %	USP
Loss on drying	Max. 5.0 %	Ph. Eur. , USP, JPE
Residue on ignition *2	Max. 1.0 % *2	USP, JPE
Retained 150 μ m sieve(100meshi on)	Max. 1.0 %	-

\*1" Degree of Hydrolysis / 85 – 89% / USP " is equivalent to " Degree of Hydrolysis / 85 – 89mol% / JPE ".

\*2" Residue on ignition / Max. 1.0 %/ USP, JPE " is equivalent to " Sulfated ash / Max. 1.0% / Ph. Eur. ".

JAPAN VAM &amp; POVAL CO., LTD.

<i>May 28, 2019</i>	Takako Nakamitsu	<i>T. Nakamitsu</i>
(Date)	(Name)	(Signature)