

Methylcobalamin USP/JP

Product Characteristics

Appearance	Dark red crystalline powder
Country of origin	China

Profile	Method	Specification
Identification 1 (UV)	JP	
UV-VIS spectrum pH2		Conforms to standard
UV-VIS spectrum pH7		Conforms to standard
Identification 2 (Chemistry)	JP	Positive
Identification A	USP	Meets USP
Identification B	USP	Meets USP
Identification C	USP	Meets USP
Clarity and color of solution	JP	Solution is clear and red in color
Related substances	JP	≤ 2.0%
Individual impurities	JP	≤ 0.5%
Related compounds	USP	
Individual impurities		≤ 0.5%
Total impurities		≤ 2.0%
Moisture	JP	≤ 6.0%
Moisture	USP	≤ 6.0%
Assay (anhydrous)	JP	≥ 98.0%
Assay (anhydrous)	USP	98.0 – 102.0%
Residual solvents		
Acetone	CP	≤ 0.5%
Arsenic	AAS	≤ 2 ppm
Cadmium	AAS	≤ 2 ppm
Lead	AAS	≤ 0.5 ppm
Mercury	AAS	≤ 0.1 ppm
Total aerobic plate count	CP	≤ 1000 CFU/g
Staphylococcus aureus	CP	Negative
Salmonella	CP	Negative
E. coli	CP	Negative
Bacillus cereus	CP	Negative

Storage

Store in tight containers, protected from light, moisture and heat.

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