



Specification

Concerning Product:	
Article number	13422554BPJ
Trade name / designation / denomination	Vitamin MeB12 (Methylcobalamin), JP
CAS number	13422-55-4
Other names / synonyms	*carbanide; cobalt(3+); [5-(5,6-dimethyl-1-benzimidazolyl)-4-hydroxy-2-(hydroxymethyl)-3-oxolanyl] 1-[[1-oxo-3-[(4Z,9Z,14Z)-2,13,18-tris(2-amino-2-oxoethyl)-7,12,17-tris(3-amino-3-oxopropyl)-3,5,8,8,13,15,18,19-octamethyl-2,7,12,17-tetrahydro-1H-corrin-21-]; *mecobalamin;
EC number	236-535-3
Customs tariff number / CN code / TARIC	29362600
Molecular weight [g / mol]	1344.38230
Formula	C ₆₃ H ₉₁ CoN ₁₃ O ₁₄ P

Parameter	Specification	Unit
Organoleptic test		
Appearance of solution	The solution is clear and in red colour.	
Appearance	Dark red crystals or crystalline powder. It decomposes on exposure to light.	
Physical parameter		
Loss on drying	≤ 12	%
Solubility	Sparingly soluble in water, slightly soluble in ethanol	
Identity		
Assay	(HCPL) 98,0 – 101,0	%
Identification	A - by UV: Standard and sample spectra should exhibit similar intensities of absorption at the same wavelength.	
Identification	B - Colour test: The red colour does not disappear	
Impurities		
Impurity	Any other impurity (HPCL): ≤ 0,50	%
Impurity	Total impurities (HPCL): ≤ 2,0	%

Regulatory information:

Residual solvents: Acetone: ≤ 5000 ppm

Chloroform: ≤ 60 ppm

Isobutanol: ≤ 5000 ppm

Methanol: ≤ 3000 ppm

Supplemental information:

Shelf life: 4 years

Storage conditions: Store under cool and dry conditions in a light resistant, tightly closed container

Regional origin: Japan

Chemische Werke Hommel GmbH & Co.KG

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Waltrop, 08. Jul. 2019

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