



Specification

Concerning Product:	
Article number	68199APEUL
Trade name / designation / denomination	Vitamin B12, EP, USP (Cyanocobalmin)
CAS number	68-19-9
Other names / synonyms	•Vitamin B12; •cyanocobalamin;
EC number	200-680-0
Customs tariff number / CN code / TARIC	29362600
Molecular weight [g / mol]	1355,37 g/mol
Formula	C ₆₃ H ₈₈ CoN ₁₄ O ₁₄ P

Parameter	Test Method	Specification	Unit
Organoleptic test			
Colour	Monograph:0547 Visual	dark red	
Physical parameter			
Form	Monograph:0547 Visual	crystalline powder	
Loss on drying	EP	≤ 10,0	%
Identity			
Assay	EP	97,0 – 102,0	%
Identification	EP 2.2.25	A (UV: A _{361nm} /A _{278nm}): 1,70 – 1,90	
Identification	EP 2.2.25	A (UV: A _{361nm} /A _{547-559nm}): 3,15 – 3,45	
Identification	EP 2.2.27	B (TLC): meets requirements	
Impurities			
Related substances	EP 2.2.32	34-Methylcyanocobalamin: ≤ 0,5	%
Related substances	EP 2.2.32	7β,8β- Lactocyanocobalamin: ≤ 1,0	%
Related substances	EP 2.2.32	8-Epi-cyanocobalamin: ≤ 0,32	%
Related substances	EP 2.2.32	any unspecified impurity: ≤ 0,2	%
Related substances	EP 2.2.32	total impurities: ≤ 3,0	%
Residual Solvents			
Residual solvents		Acetone ≤ 0,5	%
Microbiological data			
Total Plate Count	Ph. 2.6.12	≤ 1000	CFU/g
Yeast and Mould	Ph. 2.6.12	≤ 100	CFU/g

Regulatory information:

Allergens statement: Allergen free

GMO statement: Non-GMO

Irradiated Status: Non-irradiated

Supplemental information:

Shelf life: 60 month

Regional origin: China

Chemische Werke Hommel GmbH & Co.KG

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Waltrop, 28. Apr. 2020

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