



Vitamin B12 (Cyano cobalamin)

INCI Name:	Cyano cobalamin
Trade name:	Vitamin B12
CAS-No.:	13870-90-1
Application:	Cosmetics Nutrition
Packaging:	Aluminium cans
Filling Quantity:	0.1 kg netto other package sizes on request
Shelf life:	up to 5 years, not opened
Storage conditions:	dry and cool, avoid direct sunlight and heat

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Product Specification

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Test	Specification	Batch No. C191112F
Appearance	dark red crystals or dark red crystalline	conform
Identification A	UV: absorption maxima at 278 ± 1nm, 361±1nm and 550±2nm A _{351nm} /A _{278nm} : 1,70~1,90 A _{351nm} /A _{550nm} : 170~1,90	conform 1,87 3,29
Identification B	TLC: the principal spot in the chromatogram obtained with the test solution is similar in position, colour and size to the principal spot in the chromatogram obtained with the reference solution	conform
Loss on drying	< 10 %	3,7 %
Assay	97 – 102 %	98,8 %
Related substances	total impurities < 3 %	1,2 %
Acetone	< 5.000 ppm	38 ppm
Aerobic microbial count	< 1.000 cfu/g	< 80 cfu/g
Yeast & mould	< 100 cfu/g	< 10 cfu/g
Product usage		not for drug use