



**Technical Data Sheet**

**Vitamin B12 Methylcobalamin P. 98.5-101.0%**  
**Vitamin B12 Methylcobalamin P. 98.5-101.0%**

**PRODUCT INFORMATION**

|                 |                                                  |     |            |
|-----------------|--------------------------------------------------|-----|------------|
| Name            | Vitamin B12 (methylcobalamin) crystalline powder |     |            |
| Scientific name | Vitamin B12 Methylcobalamin                      | CAS | 13422-55-4 |
| Product ID      | 11100                                            |     |            |
| According as    | JP XVII and in house standard                    |     |            |
| Origin          | China                                            |     |            |

| ITEM                          | SPECIFICATION                                                                                                                                                                      | METHOD                     |
|-------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------|
| Assay                         | 98.5%-101.0%                                                                                                                                                                       | JP monograph               |
| Appearance*                   | Dark Red Crystals or Crystalline Powder                                                                                                                                            | JP monograph Visual Method |
| Identification                | (1) UV: Compare the spectrum with the reference spectrum, Both spectra exhibit similar intensities of absorption at the same wavelengths.<br>(2) Cobalt: Meets JP requirement      | JP monograph/JP <2.24>     |
| Acetone                       | ≤5000ppm                                                                                                                                                                           | In House/(GC)              |
| Clarity and color of solution | Tile solution is clear and red color                                                                                                                                               | JP monograph               |
| Related substances            | Each area of the peaks other than mecobalamin is not more than 0.5% of the peak area of mecobalamin.<br>*The total area of the peaks other than mecobalamin is not more than 2.0%" | JP monograph/JP <2.01 >    |
| Water                         | ≤11.5%                                                                                                                                                                             | JP monograph/JP <2.48>     |

\*The color may vary

**STATEMENTS**

|                                                                               |                                                                                                       |
|-------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------|
| Food Quality and Safety                                                       | According to Reg. (EC) 178/2002, for food supplements, Listed in Directive 2002/46/EC                 |
| Hygiene of foodstuffs                                                         | In compliance with Reg. (EC) 852/2004                                                                 |
| Hazard                                                                        | Not dangerous in accordance with EU regulation (EC) No 1272/2008                                      |
| Contaminants                                                                  | According to Reg. (EC) 2023/915 for food supplements                                                  |
| Preservative                                                                  | Preservative Free                                                                                     |
| Residual Solvents                                                             | According to Dir. (EC) 2009/32 and amendments                                                         |
| Pesticides                                                                    | According to Reg. (EC) 396/2005 and amendments                                                        |
| Microbiology                                                                  | Bacterial Count: TAMC-Bacteria <1,000 cfu/g, TYMC <100 cfu/g                                          |
| GMO                                                                           | GMO Free According to Reg. (EC) 1829/2003 and 1830/2003 and amendments                                |
| ETO                                                                           | ETO free                                                                                              |
| Vegan                                                                         | Conform                                                                                               |
| Irradiation                                                                   | No ionization or other radiation is permitted According to Reg. (EC) 1999/2 and 1999/3 and amendments |
| BSE/TSE                                                                       | Risk Free BSE/TSE                                                                                     |
| Allergen status                                                               | No allergens requiring labeling according to Reg. (EC) 1169/2011                                      |
| <b>Unintentional contact (traces) in the supply chain cannot be excluded.</b> |                                                                                                       |
| Nanomaterials                                                                 | Absent According to Reg. (EC) 1169/2011                                                               |
| Titanium dioxide                                                              | Absent According to Reg. (EC) 2022/63                                                                 |
| Packaging                                                                     | According to Reg. (EC) 1935/2004 and 10/2011 and amendments                                           |

**STORAGE AND HANDLING**

|                          |                                                                                        |
|--------------------------|----------------------------------------------------------------------------------------|
| Storage                  | Store at room temperature in the original container, keep away from moisture and light |
| Shelf Life               | 2 years if sealed and properly stored                                                  |
| Document status template | 19.02.2024                                                                             |
| Issue date (V3)          | 03.07.2026                                                                             |

**All above information according to the manufacturer**

**Disclaimer**

This document, or any answers or information provided herein by Chem2Market GmbH, does not constitute a legally binding obligation of Chem2Market GmbH. While the descriptions, designs, data and information contained herein are presented in good faith and believed to be accurate, it is provided for your guidance only. Because many factors may affect processing or application/use, we recommend that you make tests to determine the suitability of a product for your particular purpose prior to use. It does not relieve our customers from the obligation to perform a full inspection of the products upon delivery or any other obligation. NO WARRANTIES OF ANY KIND, EITHER EXPRESS OR IMPLIED, INCLUDING WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, ARE MADE REGARDING PRODUCTS DESCRIBED OR DESIGNS, DATA OR INFORMATION SET FORTH, OR THAT THE PRODUCTS, DESIGNS, DATA OR INFORMATION MAY BE USED WITHOUT INFRINGING THE INTELLECTUAL PROPERTY RIGHTS OF OTHERS. IN NO CASE SHALL THE DESCRIPTIONS, INFORMATION, DATA OR DESIGNS PROVIDED BE CONSIDERED A PART OF OUR TERMS AND CONDITIONS OF SALE