

**Certificate of Analysis****Manufacturing Location**3V SIGMA USA INC.  
888 Woodstock St.  
Georgetown, SC 29440**Product:** SYNTHALEN KP**3V Order Number:** 39746/S7**Customer Name:** MINAPHARM PHARMACEUTICALS & CHEMICAL**Customer Order Number:** E11721 87000**Lot Number:** 1525M382**Date of Manufacture:** 11/06/2025**Expiration Date:** 11/06/2027**Quantity Shipped:** 840.0000 KG

ACID no: 1003347762025120123

**TEST RESULTS**

| Test   | Specification | Results   |
|--|---------------|-----------|
| Sulfated Ash   | 0.00 - 2.00   | 0.50 %    |
| Met. Chloride  | 0 - 500       | 139 ppm   |
| Free Acrylic Ac  | 0 - 1000      | 28 ppm    |
| Color. Test  | PASS - PASS   | PASS      |
| Gel Form. Test   | PASS - PASS   | PASS      |
| IR Spec. Test  | PASS - PASS   | PASS      |
| Precipit. Test   | PASS - PASS   | PASS      |
| Heavy Metals   | 0 - 20        | 0 ppm     |
| Weight loss  | 0.0 - 2.0     | 1.0 %     |
| pH 0.2% in H2O   | 2.5 - 3.5     | 3.3       |
| Carboxyl Group   | 56.0 - 68.0   | 60.1 %    |
| Brook. Visc. 25°C 0.5% in H2O (sp.#7 20rpm) (pH 7.3-7.8 NaOH ) | 40000 - 60000 | 54000 cps |

**Certification and Compliance Statements**

**Compendial Standards:** This batch of SYNTHALEN KP complies with all of the current requirements listed in the United States Pharmacopeia (USP) and the European Pharmacopeia (Ph.Eur.)

**Other Certification Statements:**

**The Quality Management System at the manufacturing site for this product is in compliance with the ISO 9001:2015 and EFfCI requirements.**  
BENZENE FREE

**Product:** SYNTHALEN KP**Lot Number:** 1525M382**Authorized Signature:**

Jonathan Nigg, Quality Control Manager

**Date of Approval:** 11/12/2025*This COA was released from a controlled electronic document management system.*

**Certificate of Analysis****Manufacturing Location**3V SIGMA USA INC.  
888 Woodstock St.  
Georgetown, SC 29440**Product:** SYNTHALEN KP**3V Order Number:** 39746/S7**Customer Name:** MINAPHARM PHARMACEUTICALS & CHEMICAL**Customer Order Number:** E11721 87000**Lot Number:** 1525M383**Date of Manufacture:** 11/07/2025**Expiration Date:** 11/07/2027**Quantity Shipped:** 760.0000 KG

ACID no: 1003347762025120123

**TEST RESULTS**

| Test  | Specification | Results   |
|---|---------------|-----------|
| Sulfated Ash  | 0.00 - 2.00   | 0.50 %    |
| Met. Chloride   | 0 - 500       | 78 ppm    |
| Free Acrylic Ac   | 0 - 1000      | 16 ppm    |
| Color. Test   | PASS - PASS   | PASS      |
| Gel Form. Test  | PASS - PASS   | PASS      |
| IR Spec. Test   | PASS - PASS   | PASS      |
| Precipit. Test  | PASS - PASS   | PASS      |
| Heavy Metals  | 0 - 20        | 0 ppm     |
| Weight loss   | 0.0 - 2.0     | 0.8 %     |
| pH 0.2% in H <sub>2</sub> O   | 2.5 - 3.5     | 3.3       |
| Carboxyl Group  | 56.0 - 68.0   | 60.2 %    |
| Brook. Visc. 25°C 0.5% in H <sub>2</sub> O (sp.#7 20rpm) (pH 7.3-7.8 NaOH ) | 40000 - 60000 | 52000 cps |

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