

### 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 H <sub>2</sub> O	2.5 - 3.5	3.3
Carboxyl Group	56.0 - 68.0	60.1 %
Brook. Visc. 25°C 0.5% in H <sub>2</sub> O (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

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**Product:** SYNTHALEN KP

**Lot Number:** 1525M382

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**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

### **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 EFICCI requirements.**

**BENZENE FREE**

**Product:** SYNTHALEN KP

**Lot Number:** 1525M383

**Authorized Signature:**



Jonathan Nigg, Quality Control Manager

**Date of Approval:** 11/12/2025

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