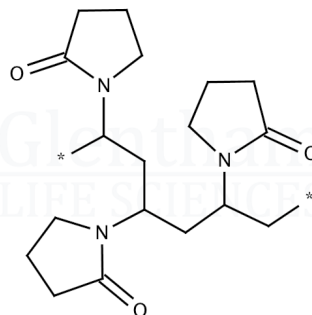


Certificate of Analysis

| | |
|---------------|--------------|
| Product Name | Povidone K30 |
| Glentham Code | GP6526 |
| CAS Number | 9003-39-8 |
| MDL Number | MFCD00149016 |
| PubChem SID | 310279185 |
| Batch Number | 857MYI |

| | |
|-------------------|---|
| Molecular Weight | ~40,000 (avg.) |
| Molecular Formula | (C ₆ H ₉ NO) _n |
| Storage Temp. | +20°C |



| Property | Specification | Batch 857MYI |
|--------------------------------|---|--------------|
| Physical Description | White powder | White powder |
| Solubility | Freely soluble in water, in ethanol and in methanol, very slightly soluble in acetone | Conforms |
| Identification | A, B, C, D, E | Conforms |
| Appearance of Solution | 1g in 20ml water: ≤ B6, BY6 or R6 | Conforms |
| pH | 3.0 - 5.0 (5% in water) | 3.4 |
| Viscosity | 29.0 - 32.0 (K-value) | 30.9 |
| Aldehydes | ≤ 500ppm | 20ppm |
| Peroxides | ≤ 400ppm | 60ppm |
| Hydrazine | ≤ 1ppm | Conforms |
| Impurities | 1-Vinylpyrrolidin-2-one: ≤ 10ppm | ≤ 0.5 |
| | 2-Pyrrolidone: ≤ 3% | ≤ 1% |
| Heavy Metals | ≤ 10ppm | Conforms |
| Water | ≤ 5.0% | 3.4% |
| Sulphated Ash | ≤ 0.1% | Conforms |
| Formic acid | ≤ 0.5% | 0.1% |
| Nitrogen Content | 11.5 - 12.8 % | 12.2% |
| Pharmacopoeia Specification(s) | Conforms to EP, USP | Conforms |

| | |
|-----------------------|------------|
| Specification Version | v1.0 |
| Manufacture Date | 2023-08-09 |
| Re-Test Date | 2030-08-18 |

Glentham Life Sciences confirm that the above referenced product conformed to the information displayed in this document on the quality release date. Please check www.glentham.com or contact us using the details above for the current version of this document.

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