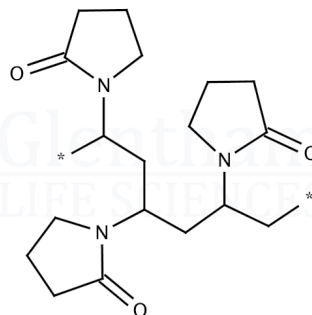


Certificate of Analysis

Product Name	Povidone K90
Glentham Code	GP3291
CAS Number	9003-39-8
MDL Number	MFCD00149016
Batch Number	862KZC
Molecular Weight	~1,350,000 (avg.)
Molecular Formula	(C ₆ H ₉ NO) _n
Storage Temp.	+20°C



Property	Specification	Batch 862KZC
Physical Description	White to off-white or faint yellow powder or fine flakes	Off-white, fine flakes
Identification	A, B, C, D to pass tests	Conforms
Appearance of Solution	To pass test	Conforms
pH (5% in water)	4.0 - 7.0	4.6
K-Value	81.0 - 97.2	92.6
Water	≤ 5.0%	2.6%
Impurity A	≤ 10ppm	7.6ppm
2-Pyrrolidone	≤ 3.0%	0.2%
Aldehydes	≤ 500ppm	Conforms
Peroxides	≤ 400ppm	50ppm
Formic acid	≤ 0.5%	0.3%
Hydrazine	≤ 1ppm	Conforms
Sulphated Ash	≤ 0.1%	0.03%
Heavy Metals	≤ 10ppm	Conforms
Lead	≤ 10ppm	Conforms
Nitrogen (N)	11.5 - 12.8 %	12.2%
Pharmacopoeia Specification(s)	Conforms to Ph. Eur., USP	Conforms

Specification Version	v1.0
Manufacture Date	2022-01-19
Re-Test Date	2029-12-11

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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