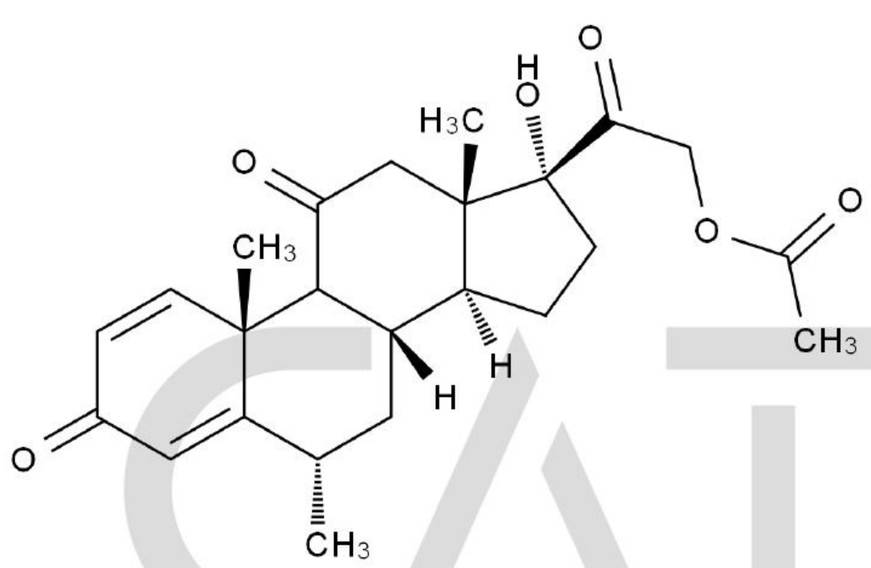
Certificate of Analysis

Reference Material & Standard

Product Name:	Methylprednisolone Acetate EP Impurity K	**Catalogue Number:**	C4X-101014
Synonyms:	N/A	**Lot Number:**	0410-RG-0037
CAS Number:	115321-98-7	**Expiry Date:**	Apr 02, 2028
Molecular Formula:	C24H30O6	**Storage:**	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	414.49		

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	White Solid
Identification	LCMS&HNMR	Confirmed
Purity	HPLC	99.243%
Water Content	Karl Fischer	0.52%
Residual Solvents	NMR	1.05% dichloromethane
Assay		97.7%

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Comment:

The calculation of the 100% method follows the formula (calculated on the non-dried basis):
*Assay (%) = (100%-Water Content-Residual Solvents) * Purity HPLC (%) /100%*
Water Content and Residual Solvents are considered as absolute effect, HPLC purity is considered as relative effect.

Signature:

Prepared by: Lily Date: Apr 10, 2025

Reviewed by: Date: Apr 11, 2025

Approved by General Manager: David Date: Apr 11, 2025

CATO Research Chemicals Inc.