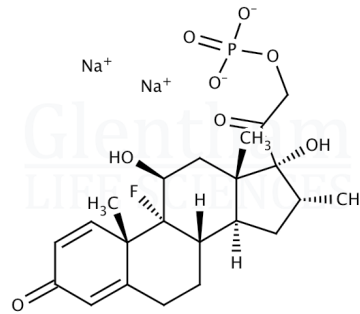


Certificate of Analysis

Product Name	Dexamethasone 21-phosphate disodium salt, USP grade
Glentham Code	GL6086
CAS Number	2392-39-4
EINECS	219-243-0
MDL Number	MFCD00079105
PubChem SID	310271197
Additional CAS	312-93-6
Batch Number	273JEQ
Molecular Weight	516.40
Molecular Formula	$C_{22}H_{28}FNa_2O_8P$
Storage Temp.	+4°C



Property	Specification	Batch 273JEQ
Physical Description	White powder	White powder
Identification	A, B, C according to USP	Conforms
Solubility (5% in water)	Clear to slightly turbid, colourless to faint yellow solution	Clear, faint yellow solution
pH (1% in water)	7.5 - 10.5	8.3
Specific Optical Rotation ($[\alpha]_{20/D}$)	+74.0 - +82.0 ° (c=1, Water)	+77.6°
Free Phosphate	≤ 1.0%	0.1%
Alcohol	≤ 1.5%	0.4%
16(17)α-Homodexamethasone sodium phosphate	≤ 0.2%	≤ 0.2%
16(17)α-Homobetamethasone sodium phosphate	≤ 0.2%	≤ 0.2%
13(17)α-Homodexamethasone sodium phosphate	≤ 0.2%	≤ 0.2%
16(17)α-17R-Homodexamethasone sodium phosphate	≤ 0.2%	≤ 0.2%
Betamethasone sodium phosphate	≤ 0.2%	≤ 0.2%
Dexamethasone ethyl ester	≤ 0.3%	≤ 0.3%
Dexamethasone	≤ 0.5%	≤ 0.5%
Fluoroandrostadiene carboxylic acid	≤ 0.3%	≤ 0.3%
Dexamethasone sodium phosphate diester	≤ 0.1%	≤ 0.1%
Any other individual unspecified impurity	≤ 0.1%	≤ 0.1%
Total Impurities	≤ 1.0%	0.5%
Water	≤ 10.0%	4.6%
Assay	97.0 - 102.0 % (anhydrous, solvent-free basis)	98.2%
Pharmacopoeia Specification(s)	USP	Conforms

Specification Version v1.1
Manufacture Date 2023-08-08

Certificate of Analysis

Re-Test Date 2030-09-27

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

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