



HANGZHOU DINGYAN CHEM CO.,LTD

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CERTIFICATE OF ANALYSIS

NO: DYC1619022501

Product name	Adefovir dipivoxil
CAS Number	142340-99-6
Molecule Structure	
Molecule Formula	C ₂₀ H ₃₂ N ₅ O ₈ P
Batch number	20181101
Manuf&Exp. Date	2018-11-01, 2020-10-29
Testing date	2018-11-01

Items	Standard	Result
Appearance	White to almost white crystalline powder	White crystalline powder
Identification	1、 By Uv 2、 By HPLC 3、 By Chemistry	Complies
Solubility	Freely soluble in ethanol , Very Slightly soluble in water	Complies
Appearance of solution	Solution must clear and colourless , Turbidity NMT NO. 1 standard turbidity solution	Complies
Heavy metals	≤10ppm	Complies
Water	≤1.0%	0.22%
Relative substance	Adefovir monoester: ≤1.0% Adefovir: ≤0.5% Unknown single impurity: ≤0.5% Total impurity: ≤2.0%	0.75% Not Detected 0.13% 1.08%
Residual solvent	Acetone:≤5000 ppm Dichloromethane: ≤600 ppm Acetonitrile:≤410 ppm Toluene:≤890 ppm	Not Detected Not Detected Not Detected Not Detected
Assay(on dried basis)	97.5 ~102.0%	99.1%

QUALITY CONTROL:

Hangzhou Dingyan Chem Co.,Ltd.

Quality Control Kevin

Signature(s)

CHECK:姚仙娟

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