

## Certificate of Analysis

Date of Testing: 2023-08-16 10:51:39  
Date of Next Testing: 2025-08-15 10:51:39  
Product Name: **Entecavir Hydrate**  
CAS Number: 209216-23-9  
Specifications & Purity:  $\geq 99\%$   
Lot #: K2110743  
SKU #: **E129807**  
**Analysis:** **264604**  
Storage Temperature: Store at  $-20^{\circ}\text{C}$

Parameter	Limit Values	Result
Purity	99-100 (%)	99.09 %
Water by Karl Fischer	4-9 (%)	6.32 %
Specific rotation $[\alpha]_{20/D}(C=0.25, \text{H}_2\text{O})(\text{calcd. on anh. substance})$	34-38 ( $^{\circ}$ )	36.15000 $^{\circ}$
Appearance (E129807)	White to almost white powder to crystal	White to almost white powder to crystal
Infrared spectrum	Conforms to Structure	Conforms to Structure
NMR spectrum	Conforms to Structure	Conforms to Structure



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QA & QC Manager