



CERTIFICATE OF ANALYSIS

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1. Identification

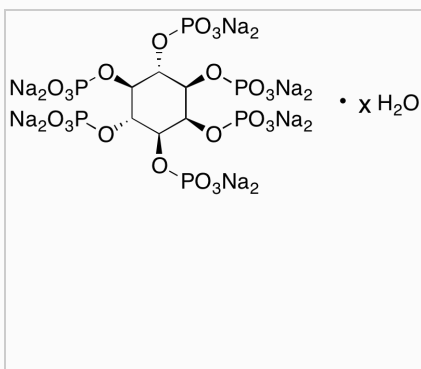
Catalogue Number: P398713

CAS Number: 123408-98-0

Product: Phytic Acid Dodecasodium Salt Hydrate

Synonym: Hexakis(Dihydrogen Phosphate) myo-Inositol Dodecasodium Salt Hydrate;

Structure:



Molecular Formula:

$C_6H_6Na_{12}O_{24}P_6 \cdot xH_2O$

Molecular weight:

$923.82 + x(18.02)$

Source of Product:

N/A

Solubility:

Aqueous Acid (Very Slightly),
Water (Sparingly)

Lot Number: 2023-QIU-292

Purity: 98%

Shipping Condition: This Product Is Stable To Be Shipped At Room Temperature

Storage Condition: -20°C

2. Warning

Warning 1:

Warning 2:

Warning 3:

3. Analytical Information

Tests:	Specifications:	Results:
Appearance	White to Off-White Solid	Off-White Solid
NMR	Conforms to Structure	Conforms
C NMR	Conforms to Structure	Conforms
P NMR	Conforms to Structure	Conforms
Elemental Analysis	Conforms	%C: 6.35, %H: 2.63
HPLC Purity	Report Result	99.50% (ELSD)
MS	Conforms to Structure	Conforms
Water Content	Report Result	15.0% by Karl Fischer
Sodium Content	Report Result	25.3%

Additional Information: N/A

Purity is based on the analytical results of the tests performed. NMR and Elemental Analysis (if available) may have an accuracy of $\pm 2\%$. Isotopic purity is based on mass distribution observed. The contents of the specifications are subject to change without advance notice, and the specification values displayed here are the most up to date values.

4. Signatures

Reviewed By	Reviewed By	C of A Approved By	Test Date	Retest Date
swathi reddy	Toni Rantanen	Christina Gouliaras	7/12/2023	7/10/2027