

CERTIFICATE OF ANALYSIS



Cat. No. P-6700
Product Phytic acid, dodecasodium salt

Inositol hexaphosphoric acid, dodecasodium salt; myo-Inositol hexakis(dihydrogen phosphate), dodecasodium salt

CAS RN [17211-15-3]
Lot No. 0000023006

M. F. $C_6H_6Na_{12}O_{24}P_6$
M. W. 923.81 g/mol

Test	Result	Specification (1192-8, 01/16/2019)	Source
Color	white	white to off-white	43957
Form	crystalline powder	crystalline powder	43957
Color of Solution (5 % in water)	colorless	colorless	43957
Turbidity (0.5 % in water)	0.2 NTU	max. 2.0 NTU	43957
Loss on Drying (105 °C, 3 h, vacuum)	5.7 %	max. 20.0 %	43957
Purity (IC)	86.3 area-%	min. 70.0 area-%	43957
Phosphorus Content (calculated on dry matter)	22.9 %	19.0 to 25.0 %	43957
Inorganic Phosphorus (IC)	0.5 %	max. 1.0 %	43957
¹H-NMR Spectrum	corresponds	corresponds to assigned structure	43957
¹³C-NMR Spectrum	corresponds	corresponds to assigned structure	43957
³¹P-NMR Spectrum	corresponds	corresponds to assigned structure	43957

Recommended Retest Date: May 28, 2023

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