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CERTIFICATE OF ANALYSIS

Catalog Number: 04-2060 CAS Number: [34620-78-5]

Product Name: MALTOHEPTAOSE Lot Number: 1511694

Molecular formula	C ₄₂ H ₇₂ O ₃₆
Formula weight	1153.0
Possible impurities	β-cyclodextrin, other linear maltooligomers
Solubility in 100cm ³ solvent @ 25°C	Water: >50g Methanol: <1g

TEST	METHOD	SPECIFICATION	RESULTS
Appearance	visual	White to slight yellow powder	white powder
HPLC (EP 2.2.29)	HPLC (EP 2.2.29)	>80%	92.7%
Impurities			
Residual βCD	TLC (EP 2.2.27)	<0.5%	<0.5%
Other linear maltooligomers	HPLC (EP 2.2.29)	<20.0%	7.3%
Conductivity (25°C, 1% solution in water)	Conductometry (EP 2.2.38)	<250μS/cm	7.2 μS/cm
Water content	Karl Fischer (EP 2.5.12)	<10%	2.4%

Retest date: September 2018

Analysis date: October 29, 2015