



R&D Reference material
Certificate of Analysis

FOR LABORATORY USE ONLY READ SDS PRIOR TO USE. This R&D Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

GENERAL INFORMATION:

Catalog No:	HC-NPL2
Description:	Crude degummed soybean oil (CDSO)
Lot No:	NP18120301
Expiration Date:	01/05/2020
Container Size:	100 mL
Package Amount:	>100 mL
Storage:	Below -15°C (5°F)
Comment	5 parameters certificate
Balance SN	N/A

CERTIFIED VALUES:

#	Certified parameter	Method	Certified Value	Uncertainty
1	Total acid (as oleic, %)	ASTM D664	0.34	±0.02
2	Moisture, KF (%)	ASTM D6304	0.05	±0.005
3	Phosphorus (ppm)	ASTM D4951	77	±5
4	Residual Hexane (ppm)	AOCS Ca 3b-87	91	±11
5	Flash point (°F)	ASTM D93	>300	5

Date manufactured: 12/03/2018

Date signed: _____

Authorized Representative signature: _____