



## Crystal O Product Specification

SPEC 284

Date: 06/Sept/2023

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VERSION: 9.0

**MATERIAL NUMBER: 112054 - 200KG DRUM**

CHARACTERISTIC	SPECIFICATION	TEST METHOD
Hydroxyl Number, mg KOH/g	160 – 168	CC420
Acid Number, mg KOH/g	2 maximum	CC408
Specific Gravity @ 25°C	0.957 – 0.961	88M.15
Iodine Value	84 – 88	CC421
Color, Gardner	2 maximum	CC401
Distinction from most other fixed oils	Passes Test	19M.04
Free Fatty Acid	Passes Test	CC408
Saponification Value	176 – 182	CC415
ml 0.1N NaOH /10g	3.5 maximum	CC408
Refractive Index @ 25°C	1.4765 – 1.4780	89M.03

We certify that this product is compliant with the following:  
Elemental Impurities < 232 >

**This material meets all parameters as defined in the USP(41) NF(36) Castor Oil monograph with an effective date of May 1, 2018 not including subsequent releases and supplements of same monograph.**