



## STCA Canola Oil TECHNICAL SPECIFICATION

Document number: TS-01  
Effective date: 12 Feb 2020  
Version number: 1.0

**Product Name:** STCA Canola  
**Description:** Cold-pressed GMO canola oil

Items Analyzed	Specification	Test Method
<b>Chemical Composition</b>		
Iodine value	70 – 150 g/ 100 g oil	AOCS Cd 1c-85 or equivalent
Peroxide value equivalent	≤ 5 meq/kg	AOAC Cd 8b – 90 modified or equivalent
Moisture	≤ 0.5%	AOCS Ca 2b-38 or equivalent
Free fatty acids	≤ 2 %	AOCS Ca 5a-40 modified or equivalent, expressed as oleic acid

**Physical Properties:**

**Appearance:** Yellow / light brown / green in color      Visual

**Heavy Metal Analysis:**

**Lead (Pb):** ≤ 0.1 ppm      ICP-MS or equivalent  
**Arsenic (As):** ≤ 0.1 ppm      ICP-MS or equivalent

**Microbiological Analysis:**

**Enterobacteriaceae:** ≤ 10 CFU/mL      USP <2021> or equivalent  
**Salmonella:** Negative      USP <2022> or equivalent

**Shelf-Life:** 24 months from the date of manufacturing when properly stored in a closed container in a cool dry place away from direct sources of light, heat and oxidizers.

**Packaging:** 1,000 L tote

**Safety:** Safe, non-toxic

**Label Declaration:** Canola oil



**Certifications:** Kosher certified, Halal, Non-GMO Project Verified, FSSC 22000

**Source:** Canadian canola seed

**Allergen Statement:** **STCA** canola oil does not contain eggs, milk, mustard, peanuts, seafood (fish, crustaceans, shellfish), sesame, soy, sulphites, tree nuts and wheat.

**Typical Nutritional Data per 15ml**

Proteins	0 g
Moisture	0 g
Carbohydrates	0 g
Dietary Fiber	0 g
Total Sugars	0 g
Total Fat	15 g
Saturated	1 g
Trans	0 g
Polyunsaturated	4 g
Omega-6	3 g
Omega-3	1.5 g
Monounsaturated	10 g
Cholesterol	0 mg
Calcium	0 mg
Iron	0.2 mg
Sodium	0 mg
Potassium	0 mg
Vitamin E	1 mg
Calorie Value	130 Kcal

**Fatty Acids, Tocopherols, Sterols**

Omega 3	94.5 mg/g	AOCS Ce If-96
Omega 6	178.8 mg/g	AOCS Ce If-96
Omega 9	566.3 mg/g	AOCS Ce If-96
Alpha Tocopherol	77.2 ppm	HPLC-UV
Delta Tocopherol	4.45 ppm	HPLC-UV
Gamma Tocopherol	198 ppm	HPLC-UV
Beta Tocopherol	0.75 ppm	HPLC-UV
Total Tocopherol	280 ppm	HPLC-UV
Brassicasterol	99.08 mg/100g	Internal Method
Campesterol	292.92 mg/100g	Internal Method
Stigmasterol	3.31 mg/100g	Internal Method
B-sitosterol	389.13 mg/100g	Internal Method
Other Sterols	156.91 mg/100g	Internal Method

**Disclaimer:** Ingredient specifications are based on anticipated composition, yield and performance. Prospective purchasers should conduct their own tests, studies and regulatory review to determine the product's fitness for their particular purposes, product claims and specifications.