

Date: 24th July 2014



The Nisshin Oillio Group, Ltd.
Fine Chemicals Dept.
Cosmetics Business Group
1, Shinmori-cho, Isogo-ku,
Yokohama, Kanagawa, 235-8558 Japan
TEL: +81-45-757-5443/ FAX: +81-45-757-5444

Product Specification

PRODUCT NAME SALACOS 5408

INCI NAME PENTAERYTHRITYL TETRAETHYLHEXANOATE

Test Name	Specification	Analytical Method
Appearance	Colorless or pale yellow liquid, a faint characteristic odor	JSQI*
Identification	Absorbance at 2960cm^{-1} , 1740cm^{-1} , 1460cm^{-1} , 1165cm^{-1} , 1140cm^{-1} and 995cm^{-1}	JSQI, IR - Liquid film method
Specific Gravity	≥ 0.957	JSQI, Method II, $30^{\circ}\text{C}/30^{\circ}\text{C}$
Viscosity (mPa·s)	60~80	JSQI, Method II, BM type, rotor No.1, 12rpm, 60sec, 30°C
Acid Value (mgKOH/g)	≤ 0.5	JSQI, Method I, 20g
Saponification Value (mgKOH/g)	340~355	JSQI, 1mol/L KOH-Ethanol, 3hr
Hydroxyl Value (mgKOH/g)	≤ 3.0	JSQI, 6g, 0.5mol/L KOH-Ethanol
Iodine Value ($\text{gI}_2/100\text{g}$)	≤ 1.00	JSQI, 10g
Purity (1) Heavy Metals (ppm)	≤ 20	JSQI
Purity (2) Arsenic (ppm)	≤ 2	JSQI
Water Content (%)	≤ 1.00	JSQI, Karl Fischer Method - Coulometric titration
REMARKS: *JSQI - The Japanese Standards of Quasi-drug Ingredients 2006 by Ministry of Health, Labour and Welfare		

Approved by:

Takahiro Mori
Fine Chemicals Dept.