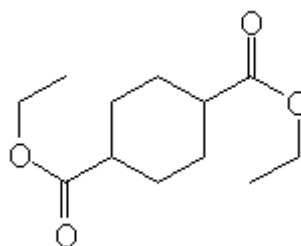


## SPECIFICATION SHEET

**VERSION** 1,00 **VERSION DATE** 19/09/22 **PRINT DATE** 30/04/24

**PRODUCT** FRUCTALATE® FIRMENICH 943871  
**APPLICATIONS** Industrial raw material not intended for direct use.  
**IUPAC NAME** 1,4-CYCLOHEXANEDICARBOXYLIC ACID, DIETHYL ESTER  
**SYNONYMS**  
**FORMULA** C12 H20 O4  
**MOLECULAR WEIGHT** 228,29  
**CAS** 72903-27-6  
**EINECS** 417-310-0  
**FEMA** -  
**TARIFF NUMBER** 2917200090  
**KOSHER CERTIFICATE** AVAILABLE ON REQUEST  
**REACH REGISTRATION NO.** 01-0000016412-79



## SPECIFICATIONS

**ASPECT AT 20°C** LIQUID / SOLID  
**COLOUR** COLORLESS  
**ODOUR** FRUITY, RASPBERRY, APPLE, ETHEREAL  
**TASTE**  
**DENSITY AT 20°C (g / ml)** 1,047 - 1,052  
**DENSITY 25/25** -  
**REFRACTIVE INDEX nD20** 1,4500 - 1,4540  
**REFRACTIVE INDEX nD25** -  
**OPTICAL ROTATION (°)** /  
**BOILING POINT (°C)** 289 (760 mm Hg)  
**MELTING POINT (°C)** -  
**FLASH POINT (°C)** 101,00  
**ASSAY (% GC)** CIS ISOMER >65; TRANS ISOMER <35; SUM > 96  
**ACID VALUE (mg KOH/g)** < 2  
**SOLUBILITY** INSOLUBLE IN WATER  
**VAPOUR PRESSURE** 0,87 Pa (20°C)  
**OTHER SOLUBILITIES** SOLUBLE IN ETHANOL

## OTHER TECHNICAL DATA

EXCELLENT IN A FRUITY OR CITRUS COMPOSITION WHERE IT CAN BE USED AT HIGH DOSAGE. AT LOWER LEVELS, IT CAN BE USED WITH THE SAME EFFECT AS FRAMBINONE. IT GIVES AN INCREDIBLE VOLUME TO THE COMPOSITION.

## STABILITY AND STORAGE

KEEP IN TIGHTLY CLOSED CONTAINER IN A COOL AND DRY PLACE, PROTECTED FROM LIGHT. WHEN STORED FOR MORE THAN 18 MONTHS, QUALITY SHOULD BE CHECKED BEFORE USE.  
 ASSURE FULL MELTING BEFORE USE. IT DOES NOT CONTAIN NEITHER SOLVENT NOR STABILIZER.

WE BELIEVE THE ABOVE INFORMATION TO BE CORRECT BUT WE DO NOT PRESENT IT AS ALL INCLUSIVE AND AS SUCH SHOULD BE USED AS A GUIDE.  
 IT IS THE SOLE RESPONSIBILITY OF THE RECEIVER OF OUR PRODUCT TO COMPLY WITH EXISTING REGULATIONS AND INSTRUCTIONS.