

## SPECIFICATION SHEET

VERSION 7 VERSION DATE 29/03/22 PRINT DATE 30/07/25

PRODUCT	ORANGE DISTILLEE
APPLICATIONS	Industrial raw material not intended for direct use.
IUPAC NAME	D-LIMONENE
SYNONYMS	D-LIMONENE, DISTILLED ORANGE, ORANGE TERPENES
PLANT OF ORIGIN	Citrus sinensis L. Osbeck
FORMULA	C <sub>10</sub> H <sub>16</sub>
MOLECULAR WEIGHT	136
CAS	5989-27-5
CAS 2	8028-48-6
EINECS	227-813-5
EINECS 2	232-433-8
FEMA	2633
CoE	143n, 491c
FDA	182.60
TARIFF NUMBER	2902190000

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ASPECT AT 20°C	CLEAR MOBILE LIQUID
COLOUR	COLORLESS TO PALE YELLOW
ODOUR	ORANGE, FRESH, SWEET, CITRIC
DENSITY AT 20°C (g / ml)	0,835-0,846
DENSITY 25/25	0,838-0,843
REFRACTIVE INDEX n <sub>D</sub> 20	1,4710-1,4740
REFRACTIVE INDEX n <sub>D</sub> 25	-
OPTICAL ROTATION (°)	96/104
BOILING POINT (°C)	175 - 177 (1 atm)
MELTING POINT (°C)	-97 APPROX.
FLASH POINT (°C)	47
ASSAY (% GC)	APPROX. 95%
ACID VALUE (mg KOH/g)	< 1
SOLUBILITY	INSOLUBLE IN WATER
VAPOUR PRESSURE	NOT DETERMINED
OTHER SOLUBILITIES	SOLUBLE IN ETHANOL

OTHER TECHNICAL DATA PEROXIDE INDEX < 20 mmol/L

## STABILITY AND STORAGE

KEEP IN TIGHTLY CLOSED CONTAINER IN A COOL AND DRY PLACE, PROTECTED FROM LIGHT. WHEN STORED FOR MORE THAN 24 MONTHS, QUALITY SHOULD BE CHECKED BEFORE USE.  
PURGE HEADSPACE WITH NITROGEN.

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. THIS PRODUCT HAS NOT BEEN FILTERED DUE TO TECHNICAL REASONS. WE RECOMMEND NOT TO USE IT UNLESS FILTERED WHEN USED AS A RAW MATERIAL IN FOOD INTENDED FOR FINAL CONSUMERS.

### PRODASYNTH SAS

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