



SPECIFICATION SHEET

VERSION 3

VERSION DATE 02/08/11

PRODUCT	ALDEHYDE C-14 (GAMMA UNDECALACTONE), NATURAL
IUPAC NAME	UNDECAN-4-OLIDE
SYNONYMS	PEACH ALDEHYDE, GAMMA-UNDELACTONE
PART OF THE PLANT	EX-CASTROL OIL
FORMULA	$C_{11}H_{20}O_2$
MOLECULAR WEIGHT	184
CAS	104-67-6
EINECS	203-225-4
FEMA	3091
CoE	179
FDA	172.515
TARIFF NUMBER	2932209090
KOSHER CERTIFICATE	AVALAIBLE ON REQUEST
FOOD GRADE CERTIFICATE	AVALAIBLE ON REQUEST
REACH REGISTRATION NO.	Not avalaible. Substance lawfully placed in the EU market before 1.June 2018

SPECIFICATIONS

ASPECT AT 20°C	CLEAR ONLY LIQUID
COLOUR	COLORLESS TO PALE YELLOW
ODOUR	STRONG, SUGGESTIVE OF PEACH
TASTE	SWEET, SIMILAR TO PEACH
DENSITY AT 20°C (g/ml)	0,941 – 0,946
REFRACTIVE INDEX n_D^{20}	1,45 – 1,455
OPTICAL ROTATION (°)	-2 / 2
BOILING POINT (°C)	164 – 166 (13mm)
MELTING POINT (°C)	-
FLASH POINT (°C)	160
ASSAY (%GC)	> 98
ACID VALUE (mgKOH/g)	-
SOLUBILITY	PRACTICALLY INSOLUBLE IN WATER
VAPOUR PRESSURE	NOT DETERMINED
OTHER SOLUBILITIES	SOLUBLE IN ETHANOL

OTHER TECHNICAL DATA This quality is racemic



CHEMDONE
FROM IDEA TO PRODUCTION

STABILITY AND STORAGE

KEEP IN TIGHTLY CLOSED CONTAINER IN A COOL AND DRY PLACE, PROTECTED FROM LIGHT. WHEN STORED FOR MORE THAN 12 MONTHS, QUALITY SHOULD BE CHECKED BEFORE USE.