SPECIFICATION SHEET

VERSION	4	**VERSION DATE**	19/09/22	**PRINT DATE**	28/03/24

PRODUCT	ALDEHYDE ISOVALERIQUE
APPLICATIONS	Industrial raw material not intended for direct use.
IUPAC NAME	3-METHYLBUTYRALDEHYDE
SYNONYMS	ISOVALERALDEHYDE, 3-METHYLBUTYRALDEHYDE, ISOAMYL ALDEHYDE
FORMULA	$C_5 H_{10} O$
MOLECULAR WEIGHT	86,13
CAS	590-86-3
EINECS	209-691-5
FEMA	2692
CoE	94
FDA	172.515
TARIFF NUMBER	2912190090
FOOD GRADE CERTIFICATE	AVAILABLE ON REQUEST

SPECIFICATIONS

ASPECT AT 20°C	CLEAR MOBILE LIQUID
COLOUR	COLORLESS/PALE YELLOW/PALE GREEN
ODOUR	FATTY, PUNGENT. DILUTED:NUTTY,COCOA
TASTE	FRUITY,DRY,GREEN,CHOCOLATE,NUT
DENSITY AT 20°C (g / ml)	0,794–0,810
DENSITY 25/25	–
REFRACTIVE INDEX nD20	1,3870–1,4080
REFRACTIVE INDEX nD25	–
OPTICAL ROTATION (°)	/
BOILING POINT (°C)	90 - 93
MELTING POINT (°C)	-28°C
FLASH POINT (°C)	0,5
ASSAY (% GC)	> 98
ACID VALUE (mg KOH/g)	< 10
SOLUBILITY	SLIGHTLY SOLUBLE IN WATER: 18,9 g/L (25°C)
VAPOUR PRESSURE	57,9 mbar (20°C)
OTHER SOLUBILITIES	SOLUBLE IN ETHANOL

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.
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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