

SPECIFICATION SHEET

VERSION	4,00	VERSION DATE	10/01/23	PRINT DATE	24/04/24
PRODUCT	METHIONAL NATURAL				
APPLICATIONS	Industrial raw material not intended for direct use.				
IUPAC NAME	NATURAL 3-METHYLTHIOPROPIONALDEHYDE				
SYNONYMS	4-THIAPENTANAL, 3-(METHYLMERCAPTO)PROPIONALDEHYDE				
PLANT OF ORIGIN	Sunflower/Broccoli				
PART OF THE PLANT					
FORMULA	C ₄ H ₈ O S				
MOLECULAR WEIGHT	104,17				
CAS	3268-49-3				
EINECS	221-882-5				
	$\text{CH}_3\text{—S—CH}_2\text{—CH}_2\text{—CHO}$				
FEMA	2747				
TARIFF NUMBER	2930909899				
KOSHER CERTIFICATE	AVAILABLE ON REQUEST				
FOOD GRADE CERTIFICATE	AVAILABLE ON REQUEST				
REACH REGISTRATION NO.	Exempt from registration (according to article 2.5 of REACH)				

SPECIFICATIONS

ASPECT AT 20°C	CLEAR MOBILE LIQUID	
COLOUR	COLORLESS TO PALE YELLOW	
ODOUR	ONION, MEAT, CHEESE, POTATO	
TASTE		
DENSITY AT 20°C (g / ml)	1,035	- 1,055
DENSITY 25/25		-
REFRACTIVE INDEX n_{D20}	1,4790	- 1,4840
REFRACTIVE INDEX n_{D25}		-
OPTICAL ROTATION (°)		/
BOILING POINT (°C)	164 -166 (11 mm Hg)	
MELTING POINT (°C)	-	
FLASH POINT (°C)	69,00	
ASSAY (% GC)	> 98	
ACID VALUE (mg KOH/g)	-	
SOLUBILITY	INSOLUBLE IN WATER	
VAPOUR PRESSURE	NOT DETERMINED	
OTHER SOLUBILITIES	SOLUBLE IN ETHANOL	

OTHER TECHNICAL DATA

STABILITY AND STORAGE

KEEP IN TIGHTLY CLOSED CONTAINER IN A COOL AND DRY PLACE, PROTECTED FROM LIGHT. WHEN STORED FOR MORE THAN 9 MONTHS, QUALITY SHOULD BE CHECKED BEFORE USE.
KEEP REFRIGERATED AT 0-5°C. 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.