

UNIPHOS INTERNATIONAL LIMITED
WORLI, MUMBAI – 400 018, INDIA
QUALITY PLAN FOR CHEMICAL DIVISION QP/CHD/02

ISSUE STATUS:	01	REVISION STATUS:	00	Page 1 of 1
ISSUE DATE:	10-08-2015	REVISION DATE:	00	

SPECIFICATION NUMBER	:	SPEC/CHD/041S
TITLE	:	SODIUM LAURYL ETHER SULPHATE 70% AS 2EO
PRODUCT TYPE	:	SURFACTANT (GELLED LIQUID)
SUBSTANCE FORMAL NAME	:	AQUEOUS CONCENTRATE OF OLEO- CHEMICALLY LINEAR NATURAL ALCOHOL ETHOXSULPHATE (SODIUM SALT)
SUBSTANCE CHEMICAL FAMILY	:	SULFATE OF POLYOXYETHENE GLYCOL ETHER
CAS NUMBER	:	9004-82-4
DESCRIPTION	:	SODIUM LAURYL ETHER SULPHATE 70% AS 2EO IS AN AQUEOUS SOLUTION OF THE SODIUM SALT OF THE SULFATED OLEO- CHEMICALLY DERIVED LINEAR NATURAL LAURYL ALCOHOL ETHOXYLATES CONTAINING 2 MOLE ETHYLENE OXIDE UNITS.

CHARACTERISTICS	LIMITS	METHODS
1. Appearance	Clear, Pourable gelled liquid	(Visual)
2. Active Matter	68 % to 72%	
3. Unsulfated Organic matter(PEE)	1.5 % Max.	
4. Inorganic sulfates	1.5 % Max.	AKSC-method

PREPARED BY AUTHORITY– CHEMICAL DIVISION	APPROVED BY HEAD – BUSINESS
---	--



UNIPHOS INTERNATIONAL LIMITED
WORLI, MUMBAI – 400 018, INDIA
QUALITY PLAN FOR CHEMICAL DIVISION QP/CHD/02

ISSUE STATUS:	01	REVISION STATUS:	00	Page 2 of 1
ISSUE DATE:	10-08-2015	REVISION DATE:	00	

5. Color (Klett, 5% soln.)	15.0 Max.	
6. pH (5% soln.25c)	7.0 to 9.0	
7. Water Content	Balance	
8. Detergent alkane, Main carbon range	C12, C14	
9. Main Carbon Number Distribution		
C₁₂	70.0 ~ 74.0 %	
C₁₄	24.0 ~ 30.0 %	
C₁₆	1.0 % Max	
10. Formula	R-(OCH₂CH₂)₂O-SO₃·Na	

Uses: It is widely used in liquid detergent, such as dishware, shampoo, bubble bath and hand cleaner, etc. AES can also be used in washing powder and detergent for heavy dirty.

Note: Electronically generated approved specification, hence signature not required

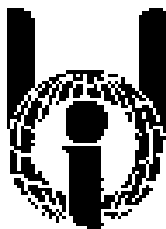
SPECIFICATION NUMBER : SPEC/CHD/027S

PREPARED BY

AUTHORITY– CHEMICAL DIVISION

APPROVED BY

HEAD – BUSINESS



UNIPHOS INTERNATIONAL LIMITED
WORLI, MUMBAI – 400 018, INDIA
QUALITY PLAN FOR CHEMICAL DIVISION QP/CHD/02

ISSUE STATUS:	01	REVISION STATUS:	00	Page 3 of 1
ISSUE DATE:	10-08-2015	REVISION DATE:	00	

TITLE : SODIUM METABISULPHITE- FOOD
GRADE

SR NO	PARAMETERS		SPECIFICATION	REMARKS
1	Purity (As $\text{Na}_2\text{S}_2\text{O}_5$)	:	98.0% Min.	
2	Arsenic (As)	:	0.0002% Max	
3	Heavy metals (As Pb)	:	0.0005% Max	
4	Iron (Fe)	:	0.001% Max	
5	pH	:	4.0-4.8	

Note: Electronically generated approved specification, hence signature not required

PREPARED BY AUTHORITY– CHEMICAL DIVISION	APPROVED BY HEAD – BUSINESS
---	--