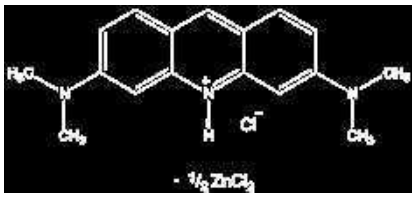
ACRIDINE ORANGE, C.I. 46005

AN0040 Acridine orange, C.I. 46005, for microscopy



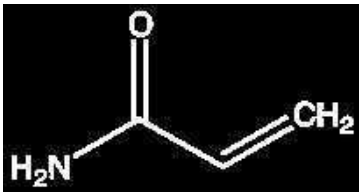
- Synonyms: Basic orange, Acridine orange zinc chloride double salt
- $C_{17}H_{20}ClN_3 \cdot {}^1/_2ZnCl_2$
- M = 438,09 g/mol
- CAS [10127-02-3]
- EINECS-No.: 233-353-6
- Solub. in water: (20 °C): 28 g/l
- GHS-signal word: Warning
- GHS-H sentences: H341
- GHS-P sentences: P281 - P201 - P202 - P308 + P313 - P405 - P501a
- Tariff number: 3204 13 00 90
- Applications: bacterium staining, manufacture of dyes.

assay (espectrophotometric) . . . . . min. 60 %
Absorption maximum λ (in
ethanol 50 %). . . . . 491 - 495 nm
Absorptivity (A1%/1 cm; λ max;
ethanol 50 %). . . . . min. 1345
related substances (TLC). . . . . passes test
suitability for microscopy. . . . . passes test
loss on drying (110 °C). . . . . max. 5 %

ART. NO.	VOLUME	CONTAINER
AN00400025	25 g	

ACRYLAMIDE

AC3345 Acrylamide, electrophoresis grade



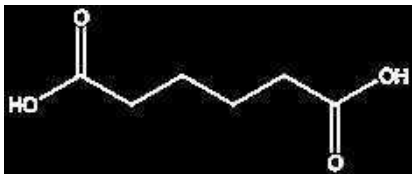
- Synonyms: Acrylic acid amide
- C_3H_5NO
- M = 71,08 g/mol
- CAS [79-06-1]
- EINECS-No.: 201-173-7
- Solub. in water: (20 °C): soluble
- Melting point: 84 °C
- Boiling point: (2,7 hPa) 87 °C
- Vapour pressure: (20 °C) 0,009 hPa
- LD 50 (oral, rat): 124 mg/kg
- EC-Index-No.: 616-003-00-0
- ADR: 6.1 T2 III UN 2074
- IMDG: 6.1 III UN 2074
- IATA/ICAO: 6.1 III UN 2074
- GHS-signal word: Danger
- GHS-H sentences: H301 - H340 - H350 - H372 - H361f - H312 - H332 - H315 - H319 - H317
- GHS-P sentences: P260 - P261 - P305 + P351 + P338 - P321 - P405 - P501a
- Tariff number: 2924 19 00 90
- Applications: synthesis of polymers, for electrophoresis.
- Appearance: White crystalline powder

assay (G.C.) . . . . . min. 99,9 %
identity (IR-spectrum) . . . . . passes test
insoluble in water. . . . . max. 0,005 %
pH (10 %, NaCl 0,1M) . . . . . 5,0 - 6,6
free acid (as acrylic acid) . . . . . max. 0,001 %
conductivity (40 %, H_2O, 20°C) . . . . . max. 10 µS/cm
absorbance of an aqueous solution
(10 %) in a 1 cm cell at 300 nm . . . . . max. 0,15 AU
turbidity (50 %, H_2O) . . . . . max. 2 N.T.U.
turbidity (50 %, methanol, 37 °C) . . . . . max. 3 N.T.U.
loss on drying . . . . . max. 0,5 %

ART. NO.	VOLUME	CONTAINER
AC33450100	100 g	
AC33451000	1 kg	

ADIPIC ACID

AC0375 Adipic acid, EssentQ®



- Synonyms: Hexanedioic acid, 1,4-Butanedicarboxylic acid, Butane-1,4-dicarboxylic acid
- $C_6H_{10}O_4$
- M = 146,14 g/mol
- CAS [124-04-9]
- EINECS-No.: 204-673-3
- Solub. in water: (25 °C): 24 g/l
- Melting point: 150 - 153 °C
- Boiling point: (13 hPa) 205 °C
- Flash pt. 196 °C
- Vapour pressure: (151 °C) 0,4 hPa
- LD 50 (oral, rat): ~ 5700 mg/kg
- EC-Index-No.: 607-144-00-9
- GHS-signal word: Warning
- GHS-H sentences: H319
- GHS-P sentences: P280 - P264 - P305 + P351 + P338 - P337 + P313
- Tariff number: 2917 12 00 10
- Applications: manufacturing of synthetic resins, plasticizer, in lubricant compositions.

assay (acidimetric) . . . . . min. 99,5 %
identity (IR-spectrum) . . . . . passes test
residue on ignition . . . . . max. 0,01 %
water (K.F.). . . . . max. 0,2 %

ART. NO.	VOLUME	CONTAINER
AC03751000	1 kg	