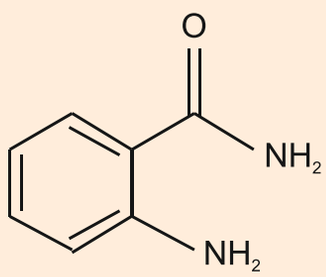
Sarex Overseas (A division of Saraf Chemicals Pvt. Ltd.)
Corporate Office: 501, Waterford, C Wing, C. D. Barfiwala Marg, Juhu Lane, Andheri (W), Mumbai - 400 058, India.
Phone: +91(22) 6128 5566 / 4218 4218, Fax: +91(22) 4218 4350.
Web: www.sarex.com • Email: fchem@sarex.com

ANTHRANILAMIDE

1. STRUCTURE



2. PRODUCT NAME & DETAILS

Anthranilamide

Product Code	**: 002776**
IUPAC Name	**: 2-Aminobenzamide**
HS Code	**: 2924.29.90**
CAS No.	**: 88-68-6**
Molecular formula	**: $C_7H_8N_2O$**
Molecular weight	**: 136.15**

3. REGULATORY INFORMATION

Chemical name	Common names and synonyms	CAS number	EC number
Anthranilamide	Anthranilamide	88-68-6	201-851-2

European Inventory of Existing Commercial Chemical Substances (EINECS)	Listed
EC Inventory	Listed
United States Toxic Substances Control Act (TSCA) Inventory	Listed
China Catalog of Hazardous chemicals 2015	Not Listed
Chinese Chemical Inventory of Existing Chemical Substances (China IECSC)	Listed
Korea Existing Chemicals List (KECL)	Listed
Canadian Domestic Substance List (DSL)	Not Listed
Canadian Non-Domestic Substance List (NDSL)	Listed
Japanese Existing and New Chemical Substances Inventory (ENCS)	Listed

4. SPECIFICATION

Physical Appearance	**: Off White to Pink Powder**
Melting Point	**: 110-114 °C**
Moisture Content (KF) by Karl Fisher	**: NMT 0.5%**
Solubility (2.5% Wt/V in methanol)	**: Clear Solution**
T.L.C. Medium Ethylacetate	**: Single Spot**
Assay (By Titration Non Aqueous)	
Potentiometry Titration	**: NLT 98%**

Disclaimer
Typical properties should not be considered as specification.
Product covered by valid patents are not offered or supplied for commercial use. The Patent position should be verified by the customer.
Products will not be supplied to countries where they could be in conflict with existing patents.
Products currently covered by valid US patents are offered for R&D use in accordance with 35 USC 271 (e) (I)
Above information is given in good faith and without warrenty.

02/21

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5. APPLICATION

- **Acetaldehyde Scavanger in PET:**

1. Anthranilamide is used as acetaldehyde scavenging agent in Polyethylene terepthalate (PET) blends.
2. PET Blends containing various concentration of Anthranilamide exhibit higher acetaldehyde scavenger ability, thereby reduction in detectable acetaldeyde content.
3. As little as 100 PPM, by weight of Anthranilamide shown to reduce residual acetaldehyde detected in PET by 46%.
4. Addition of optimum scavenger (Anthranilamide) concentration had minimal effects on perform intrinsic viscosity and color changes.
5. Anthranilamide is present in the finished container at levels not to exceeds 500 mg/kg (PPM) in PET bottles used to hold water and at levels not to exceed 250 mg/kg (PPM) in PET bottles used for non-water, aqueous, acidic and low-alcohol food applications.

- **Intermediate of Dyes, Pharmaceuticals, Agrochemicals :**

1. It can be used as an intermediate for dyes, pharmaceuticals, agricultural chemicals, perfumes, pigments, flavors and organo luminophores.

- **Resins :**

1. It can be used in the manufacture of anthranilate esters and ion exchange resins.
2. It can be used as a lacquer additive for food containers.
3. It can be used as a modifier to improve drying of alkyd resins.

- **Antioxidants :**

1. It can also be used as an antioxidant for greases, lube oils and unsaturated rubbers.

- **For Biological Research :**

1. Fluorescently labels glycans containing a free reducing terminus.
2. Used for non-selective, efficient fluorescent labeling of glycans.
3. The used fluorescent chromophore 2-aminobenzamide (2-AB) is widely used as marker in various areas of biological research
4. Slightly less sensitive than anthranilic acid (2-AA) for glycan labeling.
5. The fluorescent anthranilamide label helps to detect glycans during purification
6. For labeling of free glycans with 2-aminobenzamide acid.

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6. FOOD APPROVAL STATUS : - CAS 88-698-6 is FDA Indirect Additives used in Food Contact Substances.

- As a scavenger for acetaldehyde in polyethylene terephthalate (PET) beverage bottles.

7. HAZARD CLASSIFICATION : Non-hazardous substance.

Corrosive **Irritant**

8. CAPACITY : 10 MT per month.

9. STORAGE CONDITION : Store in closed container at ambient temperature. Avoid direct sunlight.

10. PACKING DEATILS : STD Pack Size : 25 kg Net Wt. Corrugated Boxes
One Pallet Size : 18 Drums x 25 kg Corrugated Boxes = 450 kg
Total Quantity in 20' container : 10 Pallets x 450 Kg = 4500 kg
Total Quantity in 40' container : 20 Pallets x 450 Kg = 9000 kg

11. SHELF LIFE : 3 years.

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