

TECHNICAL DATA SHEET ITEM 319

Mod. AQ 001 Rev. 0 del 25/09/2003

TECHNICAL SPECIFICATIONS

Trade Name	Graduated narrow neck bottles	
Use	Graduated bottle for liquids and powders; Sloping shoulders reduce tendency for residue deposits.	
Material	Body in Polyhetylene (PE); cap in Polyprophylene (PP) and undercap in Polyhetylene (LDPE)	
Other Features	Shoulder and cap with holes for safety seal or identifiaction labels application. Permanent graduation printed in relief externally.	

DIMENSIONAL SPECIFICATIONS

Height with mounted cap	107,00 mm	
External base diameter	46,00 mm	
Internal mouth diameter	18,50 mm	
General dimesional tolerance	+/- 0,50 mm	
Bottle wall thickness	1,00 +/- 0,20 mm	
Capacity	125 ml	
Graduated scale	20 ml each	



GENERAL FEATURES

CE Mark	No
Foodstuff suitability	Yes, according to: EC Regulation 1935/2004 EC Regulation 10/2011 The Italian Ministerial Decree 21/03/1973 and subsequent amendments The Italian Presidential Decree 777/82 and subsequent update
Seal granted by	Quality of both cap and mouth thread, presence of the under cap
Translusence	Yes
Temperature range of the bottle	From -50°C to +80°C

STERILIZATION OF THE BOTTLE

Autoclavability + 121°C	No
Gas (Ethylene Oxide)	Yes, without cap and undercap
Dry Heat (+160°C)	No
Chemical (Formalin)	Yes
Irradiation	Yes
Microwave	Yes, without cap and undercap

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CLEANING OPERATIONS

Slight contamination	Wash with neutral detergent (pH 7)
Consistent contamination	Wash with alkalin detergent (pH up to 12)

CHEMICAL RESISTANCES (BOTTLE)

Reference	Concentrazione %	T. 20° C	T. 40° C	T. 60° C
Sulphuric acid	98	В	В	В
Benzoic acid	100	А	Α	Α
Ethanol	100	А	В	В
Acetaldeyde	100	В	С	-
Isodium hydroxide	50	С	-	-
Aniline	100	А	В	С
Acetone	100	В	С	-
Ethyl acetate	100	В	С	-
Dichloroethylene	100	С	-	-
Benzene	100	В	С	-
Hexane	100	С	-	-
Tetrahydrofuran	100	В	В	С
	Sulphuric acid Benzoic acid Ethanol Acetaldeyde Isodium hydroxide Aniline Acetone Ethyl acetate Dichloroethylene Benzene Hexane	Sulphuric acid 98 Benzoic acid 100 Ethanol 100 Acetaldeyde 100 Isodium hydroxide 50 Aniline 100 Acetone 100 Ethyl acetate 100 Dichloroethylene 100 Benzene 100 Hexane 100	Sulphuric acid 98 B Benzoic acid 100 A Ethanol 100 A Acetaldeyde 100 B Isodium hydroxide 50 C Aniline 100 A Acetone 100 B Ethyl acetate 100 B Dichloroethylene 100 C Benzene 100 B Hexane 100 C	Sulphuric acid 98 B B Benzoic acid 100 A A Ethanol 100 A B Acetaldeyde 100 B C Isodium hydroxide 50 C - Aniline 100 A B Acetone 100 B C Ethyl acetate 100 B C Dichloroethylene 100 C - Benzene 100 B C Hexane 100 C -

Legenda (not applicable if neglected):

- A: fair resistence; exposure (30 days) to the chemical does not cause any damage.
- B: sufficient resistence; exposure causes damage of poor importance, which sometimes is only temporary.
- C: poor resistence; exposure to chemical is not allowed, or causes immediate permanent damages.

Results of testing with reference materials are to be considered as indication: in case of specific use it is recommended to carry out preliminary testing.

Information about resistance of plastic materials to temperatures, steriization and washing treatments are based on bulletins issued by the Producers of raw materials , on literature data and on the experience gained in using the products

PACKAGING

Quantity for each bag	100 pcs with mounted cap and undercap
Quantity in each box	4 X 100 = 400 pcs with mounted cap and undercap

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