

TECHNICAL FEATURES

Trade Name	Graduated narrow neck bottles – without caps
Use	An ideal bottle for water and oils
Material	Polyethylene HDPE
Other features	There are no shoulders to restrict the flow

DIMENSIONAL FEATURES

Height	mm. 271,00
Base diameter	mm. 120,00
Mouth diameter	mm. 23 (DIN GL 32)
General dimensional tolerance	mm. +/- 1,00
Wall thickness (bottle)	mm. 0,60 +/- 0,2
Capacity	ml. 2000

**GENERAL FEATURES**

CE Mark	No
Foodstuff suitability	Yes
Neck and thread	Conformity to DIN 13316 and 168
Graduation	Graduated. Can be used as rough measures
Sealing	Can be secured using shoulder and cap tag to avoid sample contamination in transit

STERILIZATION OF THE BOTTLE

Autoclavable at +121°C	No
Gas (Ethylene Oxide)	Yes
Dry at +160°C	No
Chemical (Formalin)	Yes
Radiations	Yes
Microwaves	Yes

Quality Assurance
Massimiliano Capitanio**Technical Direction**
Guido Borona

CLEANING OPERATIONS

Slight contamination	Wash with chemically neutral (pH7) cleaning agents
Heavy contamination	Wash with alkaline (pH up to 12) cleaning agent

CHEMICAL RESISTANCES

Categories of substances	Reference	Concent. %	T. 20° C	T. 40° C	T. 60° C
Inorganic Acid	Sulphuric acid	98	B	B	B
Organic Acid	Benzoic acid	100	A	A	A
Alcohol	Ethanol	100	A	B	B
Aldehydes	Acetaldehyde	100	B	C	-
Inorganic alkali	Sodium hydroxide	50	C	-	-
Organic alkali	Aniline	100	A	B	C
Ketone	Acetone	100	B	C	-
Esther	Ethyl acetate	100	B	C	-
Hydrocarbons, halogenated	Dichloroethylene	100	C	-	-
Hydrocarbons, aromatic	Benzene	100	B	C	-
Hydrocarbons, linear	Hexane	100	C	-	-
Supersolvent	Tetrahydrofuran	100	B	B	C

Legenda (not applicable if neglected):

- **A: fair resistance;** exposure (30 days) to the chemical does not cause any damage.
- **B: sufficient resistance;** exposure causes damage of poor importance, which sometimes is only temporary.
- **C: poor resistance;** 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, sterilization 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

Bag	15 pcs
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