

Material Planning Section
Food Services Division

SPECIFICATION OF LIQUID SOAP BOTTLE FSD-4013

- Use : For Aircraft toilet use.
 - Logo : With new PIA logo on bottle
 - Capacity : 250 ml bottle.
 - Viscosity/Appearance of Liquid : Thick Liquid.
 - Colour of Liquid : White pearliest.
 - Odor of Liquid : Pleasant.
 - Water Solubility : Fully Miscible.
 - Specific Gravity : 1-1.025.
 - Stability of Liquid : Must be stable under normal temperature.
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- Liquid must be biodegradable and non-toxic, non-irritant, non-hazardous to human skin. Must confirm to the health and hygiene care standards for human skin. Test certificate from reputable lab to be submitted by the supplier, in this regard.
 - Bottle Shape:
Cylindrical shape bottle (pressable dispenser) with spiral thread cut provision to be specifically fitted in recess provided in lavatory of aircraft (size of spiral provision as per sample).
 - Shelf life Liquid : 12 months from the time of delivery in stores.

Specification of Aerosole Insecticide Cabin Spray

- ✦ Natural pyrethine, D-phenothrine and permethrine (cis/trans ratio 25/75).
- ✦ Dispenser – multishot
- ✦ Size 250 ml to 300 ml non-flammable.
- ✦ Free from human toxicity risk and non-injurious to material used in A/C construction.
- ✦ Date of manufacture and rate of discharge must be indicated on cans.

- ✦ **Discharge** - D/rate of the formulation from the dispenser shall be in the range of 1.0 + 0.2. per second, 80% by weight of the aerosole drop lets produced shall be of diameter smaller than 30u.

- ✦ **Solvent** – any solvent used in aircraft disinsection formulation should meet established criteria for non—flammability, lack of adverse effect on aircraft materials and be of low toxicity.

- ✦ **Propellant** – non-flammable hydroflorocarbons (HFC) have been found suitable for aircraft disisection namely HFC 125, HFC 134a and HFC 227ea.

