

KARNATAKA STATE POLLUTION CONTROL BOARD
PUBLIC NOTICE

As per the directions given by the National Green Tribunal in the matters related to Original Application No 125 of 2017 pertaining to Agara, Bellanduru & Varthur Lakes, located in the city of Bengaluru, Karnataka State, The Bureau of Indian Standards (BIS) has limited the Phosphates content in the following : **Household Laundry Detergent Powders (IS 4955 : 2020), Household Laundry Detergent Bars (IS 8180 : 2020) & Synthetic Detergents for Washing Woollen and Silk Fabrics (IS 9458 : 2020)**, as the presence of phosphorous in excess in water body is known to cause eutrophication leading to algal growth, thereby posing risks to aquatic life. Phosphorous based compounds (for example, phosphates, phosphonates etc.) used in detergent products can contribute to the above. Therefore, in pursuit of minimizing the environmental impact, BIS has revised the standards as given below:

Requirement for Household Laundry Detergent Powders (IS 4955 : 2020):

Characetristics	Garde 1	Garde 2	Garde 3
Total phosphates expressed as P ₂ O ₅ content percent by mass, <i>Max</i> (see Note 1 and 2)	2.5	2.5	2.5

Note:

1. Totaphosphate content including phosphate based builder (as recommended in Annex A) shall not exceed 2.5 percent by mass for grade I, grade II and grade III.
2. Use of Zeolite (see IS 15267) as an alternative to phosphate based builder is recommended.

Requirement for Household Laundry Detergent Bars (IS 8180 : 2020):

Characetristics	Garde 1	Garde 2	Garde 3	Garde 4
Total phosphates expressed as P ₂ O ₅ content percent by mass, <i>Max</i> (see Note 1 and 2)	5.0	8.0	5.0	5.0

Note:

1. Totaphosphate content including phosphate based builder (as recommended in Annex A) shall not exceed 5.0 percent by mass for grade I, grade III & grade III and 10 percent by mass for grade II.
2. Use of Zeolite (see IS 15267) as an alternative to phosphate based builder is recommended.

Requirement for Synthetic Detergents for Washing Woollen and Silk Fabrics (IS 9458 : 2020):

Characetristics	Requirement
Total phosphates content, expressed as STPP, calculated from phosphorus pentoxide, percent by mass, <i>Max</i> (please See note 1)	Nil

Note:

1. Use of natural builder such as Zeolite (see IS 15267) is recommended.

NOTE:

The detailed specifications can be obtained from the website of Bureau of Indian Standards www.bis.gov.in www.standardsbis.in. Hence all manufactures located in the state of Karnataka are hereby informed and directed to adhere to the above standards with immediate effect. Similarly the detergent powders, detergent bars and synthetic detergents manufactured outside the Karnataka State are also required to adhere to the above specifications while being marketed in the state.


MEMBER SECRETARY


12.11.2020