

**GOVERNMENT OF INDIA
MINISTRY OF CHEMICALS AND FERTILIZERS
DEPARTMENT OF CHEMICALS AND PETROCHEMICALS**

**LOK SABHA
UNSTARRED QUESTION NO. 4925
TO BE ANSWERED ON 31.03.2023**

Quality Control and Standardization of Chemicals

4925. SHRI JAYANT SINHA:

Will the Minister of CHEMICALS AND FERTILIZERS be pleased to state:

- (a) the details of the schemes implemented and methodology established to ensure quality control and standardization of chemicals;
- (b) the list of chemicals for which BIS standards have been made mandatory;
- (c) whether the Government has any targets for expansion of the aforementioned list;
- (d) if so, the details thereof; and
- (e) the steps taken/proposed to be taken by the Government to incorporate chemicals which are not included in the said list?

ANSWER

**MINISTER OF STATE FOR CHEMICALS AND FERTILIZERS
(SHRI BHAGWANTH KHUBA)**

(a): Bureau of Indian Standards (BIS) is operating Conformity Assessment Schemes aimed at ensuring the quality of the products to relevant Indian standards and thus, providing a third party assurance to the consumer under the provisions of BIS Act, 2016. The Chemical Quality Control Orders (QCOs) issued by Department of Chemicals and Petrochemicals envisages Conformity Assessment Scheme-I and Scheme-II of BIS (Conformity Assessment) Regulations, 2018. As per Scheme-I, BIS grants licence to manufacturers for use of Standard ISI Mark on their products after assessment of the manufacturing and testing capabilities of the manufacturer through factory inspection of the manufacturing premises. Conformity of the product to the relevant Indian standard is also verified through third party laboratory testing or testing in the manufacturing premises or a combination of both. The manufacturer is required to operate a well-defined Scheme of Testing and Inspection (SIT), which prescribes the specific tests as per relevant Indian standard

and the frequency for conducting them. BIS also carries out surveillance on the manufacturers holding BIS licence through visit to the factory premises at periodic intervals. During the surveillance, verification of the implementation of Scheme of Testing and Inspection and compliance of the product to the relevant standard is verified. Product samples are also drawn and sent to BIS laboratory or BIS recognized laboratory for checking conformance to relevant standard. In addition, samples of the product bearing BIS Standard Mark are also purchased from the market and got tested at laboratory for checking conformance to relevant standard. Based on the non-conformance, if any, observed from the test report, action is initiated against the manufacturer depending on the severity.

As per Scheme-II, BIS grants registration to manufacturers for use of BIS standard Mark on their products based on submission of test report of the sample from an independent third party laboratory (BIS recognized) and verification by BIS about the conformity to the relevant Indian standard. The registered manufacturers are then allowed to use the words "Self-declaration - Conforming to IS (corresponding Indian standard number)" along with registration number and/or put the Standard Mark notified by the Bureau. Market surveillance for chemical products under the scheme is carried out through drawl of BIS standard marked samples and getting the same tested in independent third party laboratory.

(b): List of various chemicals and petrochemicals for which BIS standards have been made mandatory is attached as Annexure-I.

(c)to(e): Yes sir. BIS standards of majority of chemicals are voluntary in nature. However, under Section 16 of BIS Act, 2016, Department of Chemicals and Petrochemicals (DCPC) endeavours to make BIS standards as mandatory for major chemicals to protect human, animal or plant health, safety of the environment, prevention of unfair trade practices and national security. Accordingly, Quality Control Orders (QCOs) are being notified in the Gazette of India to bring out standards of chemicals and petrochemicals. DCPC is actively involved in the process of stakeholder consultations to include more chemicals and petrochemicals to make BIS standards as mandatory in order to expand the list.

Annexure-I

S.No.	Indian Standard /HS Code	Name of Chemical
1.	IS 252:2013 (HS Code: 28151110, 28151190, 28151200)	Caustic Soda
2.	IS 695 : 1986 (HS Code 29152100)	Acetic Acid
3.	IS 517 : 1986 (HS Code 29051100)	Methanol
4.	IS 2833:2019 (HS Code 29214110)	Aniline
5.	IS 15573 : 2018 (HS Code 28273200)	Poly Aluminium Chloride
6.	IS 8058: 2018 (HS Code 29333100)	Pyridine
7.	IS 16113: 2013, Reaffirmed 2018 (HS Code 29333913)	Gamma Picoline
8.	IS 16112: 2013 (HS Code: 29333916)	Beta Picoline
9.	IS 12084: 2018 (HS Code 29333917)	Morpholine
10.	IS 297: 2001, Reaffirmed 2017 (HS Code 28301000)	Sodium Sulphide
11.	IS 7129: 1992, Reaffirmed 2015 (HS Code 28364000)	Potassium Carbonate
12.	IS 170: 2004, Reaffirmed 2015 (HS Code 29141100)	Acetone
13.	IS 4581: 1978 Reaffirmed 2015 (HS Code 28121300)	Phosphorus Trichloride
14.	IS 11744: 1986 Reaffirmed 2015 (HS Code 28121400)	Phosphorus Pentachloride
15.	IS 11657: 1986 Reaffirmed 2015 (HS Code 28121200)	Phosphorous Oxychloride
16.	IS 2080: 1980, (Reaffirmed 2016) (HS Code 28470000)	Hydrogen Peroxide
17.	IS 3205: 1984, (Reaffirmed 2015) IS 12928: 1990, (Reaffirmed 2017) (HS Code 28366000)	Precipitated Barium Carbonate
18.	IS 4505: 2015 (HS Code 28311020)	Sodium Formaldehyde Sulphoxylate
19.	IS 6100: 1984, Reaffirmed 2015 (HS Code 28353100)	Sodium Tripolyphosphate
20.	IS 7686 : 2020 (HS code 2922 2914)	3 (N, N- Di Ethyl) Aminophenol
21.	IS 4566 : 2020 (HS code 29031200)	Methylene Chloride (Dichloromethane)
22.	IS 2012 : 2006, Reaffirmed 2016 (HS Code 2804 7020)	Red Phosphorus

23.	IS 798 : 2020 (HS Code 2809 2010)	Ortho Phosphoric Acid
24.	IS 17439 : 2020 (HS code 2809 2020)	Polyphosphoric Acid
25.	IS 17412 : 2020	Trimethyl Phosphite
26.	IS 17450 : 2020	1, 3 Phenylenediamine
27.	IS 10931:1984	Lauric Acid
28.	IS 12029:1986	Acid Oil
29.	IS 12067:1987	Palm Fatty Acids
30.	IS 12068:1987	Rice Bran Fatty Acids
31.	IS 12069:1987	Coconut Fatty Acids
32.	IS 12124:1987	Rubberseed Fatty Acids
33.	IS 12361: 1988	Hydrogenated Rice Bran Fatty Acids
34.	IS 5158: 1987 (HS code)	Phthalic Anhydride
35.	IS 14887: 2014 (HS code 39232100/ 39232990)	High Density Polyethylene (HDPE)/ Polypropylene (PP) Woven Sacks for packaging of 50kg. Foodgrains
	IS 16208:2015 (HS code 39232100/ 39232990)	High Density Polyethylene (HDPE)/ Polypropylene (PP) Woven Sacks for packaging 10kg., 15kg., 20kg., 25kg., and 30kg. Foodgrains
	IS 14968:2015 (HS code 39232100/ 39232990)	High Density Polyethylene (HDPE)/ Polypropylene (PP) Woven Sacks for packaging 50kg./25kg Sugar
	IS 14252:2015 (HS code 39232100/ 39232990)	High Density Polyethylene (HDPE)/ Polypropylene (PP) Woven Sacks for filling Sand
36.	IS 537:2011 (HS code 29023000)	Toluene
37.	IS 5295:1985 (HS code 29053100)	Ethylene Glycol
38.	IS 336:1973 (HS code 39072010)	Ether
39.	IS 15030:2001 (HS code 29173600)	Terephthalic Acid
40.	IS 14709:1999 (HS Code 29161210)	n- Butyl Acrylate
41.	IS 4105:2020 (HS Code 29025000)	Styrene (Vinyl Benzene)
42.	IS 12345:1988 (HS Code 29153200)	Vinyl Acetate Monomer
43.	IS 12540:1988 (HS code 29261000)	Acrylonitrile
44.	IS 14707:1999, IS 14708:1999, IS 14709:1999 (HS Code 29161400)	Methyl Acrylate, Ethyl Acrylate,
45.	IS 5149:2020 (HS Code: 29171400)	Maleic Anhydride
46.	IS 12795:2020 (HS code 38170011)	Linear Alkyl Benzene
47.	IS 13601: 1993 (HS code 39013000)	Ethylene Vinyl Acetate (EVA) Copolymers
48.	IS 11356 : 2020	Styrene Butadiene Rubber Latex

	(HS code 40021100 & 40021990)	
49.	IS 7328:2020 (HS code 39011010)	Linear Low Density Polyethylene (LLDPE) Polyethylene Material for Moulding and Extrusion (Quality Control)
	IS 7328:2020 (HS code 39011090)	OTHR POLYETHYLENE HVNG A SPFC GRVTY < 0.94 (PC) 19 Polyethylene Material for Moulding and Extrusion (Quality Control)
	IS 7328:2020 (HS code 39012000)	POLYETHYLENE HVNG A SPCFC GRVTY 0.94 /MORE (PC) 20 (HDPE) Polyethylene Material for Moulding and Extrusion (Quality Control)
	IS 7328:2020 (HS code 39019090)	*OTHR POLYMERS OF ETHYLENE IN PRIMARY FORMS (PC) 22 Polyethylene Material for Moulding and Extrusion (Quality Control)
50.	IS 17261:2019 (HS Code 54024700)	Polyester Continuous Filament Fully Flat Drawn Yarn (FDY)
51.	IS 17262:2019 (HS Code 54024600)	Polyester Partially Oriented Yarns (POY)
52.	IS 17263:2019 (HS Code 55032000)	Polyester Staple Fibres (PSF)
53.	IS 17264:2019 (HS Code 54022010 & 54022090)	Polyester Industrial Yarn (IDY)
54.	IS 17265:2019 (HS Code 55092100 & 55902200)	100 percent Polyester Spun Grey and White Yarn (PSY)
55.	IS 16481:2016 HS Code 55032000	Synthetic micro-fibres for use in cement based matrix
56.	IS 17077:2019 or ISO 19062-1:2015	Acrylonitrile Butadiene Styrene (ABS)
57.	IS 869:2020	Ethylene Dichloride
58.	IS 17370:2020	p-Xylene
59.	IS 14434:1998	Polycarbonate
60.	IS 17397 (part 1) : 2020 or ISO 16365-1:2014	Polyurethanes
61.	IS 17442:2020	Vinyl Chloride Monomer