

Indian Standard

IS No. 3705 :- _____

Product - Specification

BIS Chandigarh

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Date: 2 Aug 2024

Govt. Co. Edu. Sen. Sec. Smart School Golewala

Price

18/-

Indian Standard Specification for Ball point pens

0. FOREWORD – Contains formal paragraphs as are relevant to the needs of standard like

- Name of the Committee responsible for preparation of the standard, date of publication of the standard etc.
- Information about the brief history of standard, product, practices, uses as relevant.
- Acknowledging other international/national standard which were taken into consideration.
- Information about other related standards.
- Reference to IS 2 on Rounding Off.

Details as at a), c), d) & e) are generally incorporated at the time of final (printing) stage by Sectt.

Xcel Ball point Pen. Company

Manufacture - Ball point Pen

Colour - Blue, Black

Title of the Standard (Product - Specification)

Indian Standard specification for
Ball point pen

1. **SCOPE**— Clear statement indicating the field covered by the standard defining its extent and limitation. Sometime, for the purpose of clarity, it is also mentioned what the standard 'does not' cover or 'excludes'.

Xcel Ball point Pen company

→ Ball pen, Gel pen, Ink pen Because for writing purpose
→ Blue and Black

2. **REFERENCES**— Information related to other standards referred in text of the standard.

→ plastic / metal → lead (rustless, fireless)
→ Ink → refill
→ refill → pen cap included

3. **DEFINITIONS, TERMINOLOGIES** etc. Technical terms to be defined or referenced to other relevant standards.

→ Law of friction → Rolling friction
→ Law of gravitation
→ Capillary action

4. **GRADES, TYPES AND CLASSES**— As applicable to the product

Types → Ball pen, ~~Ball~~ Gel pen, Ink pen, et

Colors - Blue, Black, red

5. **MANUFACTURE** — Where considered necessary the manufacturing process(es) may be specified.

Manufactured ^{located} at Mohali, Chandigarh.

6. REQUIREMENTS –

- a) Shall be as self-contained as possible
- b) Requirement clauses shall state tolerances, where necessary
- c) May be obligatory, optional or recommendatory or informative (like typical compositions etc.)
- d) Could be related to Raw Materials as well, having direct bearing on the finished product characteristics etc.
- e) Requirements could of chemical/physical/other characteristics of the product.
- f) Tables could be used to eliminate repetition or show a relationship more clearly.

Sl. No.	Characteristic	Requirement	Test Method	
			Annex	Reference
i)	Help in carrying refill.	Pen Body		
ii)	Help in carrying the lid.	Cap		
iii)	Help in writing	ink		
iv)	1-Help in carrying ink	Refill		
v)				
vi)				

7. SAMPLING – Product specifications generally include ‘sampling’ clause to give general guidance in deciding the criteria for acceptance of lot based on the sampling inspection.

Sr. No	No. of pens	Sampling
1	50,000	20
2	10,000	10
3	5,000	5

You can randomly pick any pen from any category of pens such Ball, Gel and Ink for testing

8. METHODS OF TESTS for various Requirements – Could be part of the product specifications or independent standards. It may be included in the body of the standard, if brief; otherwise may be given as annexure. Test methods shall include the following, as applicable:

- a) Preparation of sample/specimen
- b) Atmospheric conditions like temp., relative humidity
- c) Testing equipment with accuracy
- d) Materials & reagents
- e) Test procedure
- f) Method of analysis and evaluation of results, where necessary
- g) Repeatability & reproducibility of test method, where possible

- drop test
- friction test
- fibre test
- fluent test
- colour stability
- Ink leaking test

9. PACKING AND PACKAGING- Wherever applicable, details of packing and/or packaging be given.

packaging of a dozen pen in a box
made of ~~paper~~ cardboard, plastic box. with
the name of company

10. MARKING- Product specifications shall contain marking clause indicating basic requirements about the identity of product, source of manufacture, etc., and any other requirement specific to the products like shelf-life; ingredients; grade, type, class; statutory & regulatory requirements.

Manufacture date and address - xcel Ballpoint pen 07 x x 2020
Mohali Chandigarh

Ink colour - Blue, Black, Ink, Gel

Price - ₹10 per pen.

ISI Mark, IS number and CML number is compulsory.

11. BIS CERTIFICATION MARKING

ISI marked

IS - 3705

CML - 7901456729

12. ANNEXURES- These are part of the standard and may be normative or informative to the standard, depending upon the nature of reference made to them in the standard.