

भारतीय मानक ब्यूरो
(हॉलमार्किंग विभाग)

हमारा सन्दर्भ: एचएमडी- 14/14

23 जुलाई 2021

विषय : भारतीय मानक, आई एस 1417: 2016 में संशोधन संख्या 1 जुलाई 2021 का कार्यान्वयन

सभी क्षेत्रीय कार्यालयों/ शाखा कार्यालयों से अनुरोध है कि संलग्न परिपत्र को सभी संबंधितों को सूचित करें एवं प्रचार करें।

(इंदरजीत सिंह)

वैज्ञानिक -डी/एचएमडी

प्रमुख, एचएमडी

Bureau of Indian Standards
(HALLMARKING DEPARTMENT)

Our Ref.: HMD/14:14

23-07-2021

Sub: Implementation of Amendment No.1 to IS 1417:2016

All ROs/BOs are requested to inform all concerned about the implementation of amendment 1 to IS 1417:2016 and ensure implementation of the Guidelines as enclosed.

(Inderjeet Singh)
Sc. D (HMD)

Head HMD

HALLMARKING DEPARTMENT

Our Ref.: HMD/14:14

23-07-2021

Sub: Guidelines for Implementation of Amendment No.1 to IS 1417:2016

Amendment No.1, July 2021 has been issued to IS 1417:2016 “GOLD AND GOLD ALLOYS, JEWELLERY/ARTIFACTS– FINENESS AND MARKING” (Fourth Revision). The significant changes in the amendment are as follows:

- i) As per Note 2 below the Clause 1.2, watches and pens made of gold/gold alloys do not fall under the purview of artefacts
- ii) Clause 4.1 has been revised with addition of purity grades of 20, 23 and 24 carat for hallmarking of jewellery/artefacts
- iii) Clause 4.1.1 has been revised with addition of Osmium along with Cadmium, Iridium and Ruthenium as prohibited elements. Further, as per Note in the amendment, clause 4.1.1 a) and b) shall be in abeyance till XRF test method is established.
- iv) Clause 6.1 of the IS 1417:2016 has been revised with deletion of the marking of Assay Centre’s identification mark and Jeweller’s mark/ manufacture’s identification mark on hallmarked article.
- v) As per amended marking clause 6.1, the hallmarked gold articles shall carry the following three markings only:
 - 1) BIS standard Mark;
 - 2) Grade/ Designation and its declared Minimum Fineness in ppt, and
 - 3) “Unique Alphanumeric ID” of the article issued by the Assaying and Hallmarking Center

2. The amendment has been gazette notified by Publication department with date of establishment of amendment 1 to IS 1417:2016 as 07 July, 2021 and the date till which the Standard without the amendment shall remain in force is also 07 July, 2021.

3. It has been decided to implement amendment 1 to IS 1417:2016 with immediate effect. Accordingly all A&H Centres shall mark the gold jewellery/artefacts to be hallmarked with three marks in the sequence defined above.

4. Three additional purity grades of 20, 23 and 24 carat have been incorporated in the Indian Standard. Gold jewellery/artefacts can now be hallmarked in six grades of 14K, 18K, 20K, 22K, 23K and 24 KS. No additional facility is required at A&H centres for assaying of 20 K and 23 K grades. An undertaking may be obtained from A&H Centres regarding the grades to be hallmarked by them and since for assaying of 24 KS grade increased accuracy in operation and parameter control is needed and weighing balance of 0.001 mg sensitivity is required the undertaking should

include about availability of the facility for hallmarking of 24KS from A&H centre willing to hallmark the 24 KS grade. The same may also be verified during next visit to the Centre and during renewal audit of A&H centre the testing of maximum fineness hallmarked should preferably be witnessed.

8. ROs/BOs are requested to take the action as specified above and inform all BIS Registered Jewellers and all BIS recognized Assaying & Hallmarking Centers about the implementation of amendment 1 to IS 1417:2016.

(Inderjeet Singh)
Sc. D (HMD)

Head (HMD)

All ROs & all Regional Hallmarking Officers, to inform all AHCs

All BOs for information & to inform all Registered jewellers

Cc: All DDGRs

AMENDMENT NO. 1 JULY 2021

TO

**IS 1417 : 2016 GOLD AND GOLD ALLOYS, JEWELLERY/
ARTEFACTS — FINENESS AND MARKING —
SPECIFICATION**

(Fourth Revision)

(Page 1, clause 1.2) — Substitute the following for existing note below clause **1.2**

‘NOTES:

1 Artefacts cover medallions and utensils

2 “Watches” and “Pens” made of gold/gold alloys do not fall under the purview of Artefacts.’”

(Page 1, clause 2) — Substitute the following references for the existing:

<i>‘IS No.</i>	<i>Title</i>
1418 : 2009	Determination of gold in gold bullion, gold alloys and gold jewellery/artefacts — Cupellation (fire assay) method (<i>third revision</i>)
3095 : 1999	Gold solders for use in manufacture of jewellery — Specification (<i>second revision</i>)
15820 : 2009	General requirements for establishment and operation of assaying and hallmarking centre’

(Page 1, clause 4.1) — Substitute the following for existing:

‘Gold and gold alloys used for manufacture of gold jewellery and artefacts, gold bullion and gold coins shall be classified based on the minimum declared

Price Group 1

fineness and shall be in accordance with the following grades/designations depending upon minimum declared fineness:

Grades / Designations	Declared Minimum Fineness (in ppt)	Purity in Carat (K) (Approximate)
(1)	(2)	(3)
24 KF	999	-
24 KS	995	-
23 K	958	23
22 K	916	22
20 K	833	20
18 K	750	18
14 K	585	14

NOTES:

1 Purity in Carat mentioned are approximate values and are given for easy identification of consumer.

2 Grade of 24 KF means Fine gold of fineness of 999 parts per thousand (‰) and above.

3 Grade of 24 KS means Standard gold of fineness of 995 parts per thousand (‰) and above.

4 Gold/gold alloy of “24 KF” designation is applicable for bullion and Coins only and is not applicable for Gold jewellery and artefacts.’

(Page 1, clause 4.1.1 a) — Delete

(Page 1, clause 4.1.1 b) — Renumber the clause as **4.1.1 a** and substitute the following for the existing:

‘a) Gold alloys used for manufacturing gold jewellery/artefacts shall be free from cadmium, iridium, ruthenium and osmium.’

(Page 1, clause 4.1.1 c) — Renumber the clause as **4.1.1 b** and substitute the following for the existing:

‘b) Presence of cadmium, iridium, ruthenium and osmium in the gold jewellery/Artefacts shall be detected by X-ray fluorescence (XRF) test method.

NOTE — Standard for XRF test method is under development. Clauses **4.1.1 a**) and **4.1.1 b**) shall be in abeyance till XRF test method is established.’

(Page 2, clause 5.1, line 7 and 8) — Substitute ‘their cadmium content is within permissible limit as given in 4.1.1 b)’ by ‘they are free from cadmium’.

(Page 2, clause 6.1 a) — Substitute the following for the existing:

- ‘a) The gold jewellery/artefacts shall be hallmarked by BIS recognized assaying and hallmarking centres only. The hallmarked articles shall carry the following markings in the order mentioned:
- 1) BIS standard mark,
 - 2) Grade/ designation and its declared minimum fineness in ppt, and
 - 3) “Unique alphanumeric ID” of the article issued by the assaying and hallmarking center.’