

भारतीय मानक ब्यूरो
(हॉलमार्किंग विभाग)

हमारा सन्दर्भ: एचएमडी- 14/44

23 दिसंबर 2021

विषय: ए एंड एच केंद्रों द्वारा उपभोक्ता के बिना हॉलमार्क वाले सोने के गहनों और कलाकृतियों का परीक्षण

1. ए एंड एच केंद्र की पहचान और संचालन के लिए दिशानिर्देशों के अनुसार, ए एंड एच केंद्र शुद्धता के सत्यापन के लिए उपभोक्ता से हॉलमार्क वाले आभूषण भी स्वीकार करेगा और वस्तु पर अंकित उचित पहचान देते हुए परख की रिपोर्ट जारी करेगा।

2. हालांकि, अनिवार्य हॉलमार्किंग के कार्यान्वयन के मद्देनजर, अब यह निर्णय लिया गया है कि एक उपभोक्ता अपने पास पड़े बिना हॉलमार्क वाले सोने का बीआईएस से मान्यता प्राप्त ए एंड एच केंद्र से परीक्षण करवा सकता है और ए एंड एच केंद्र उसे एक परीक्षण रिपोर्ट जारी करेगा जो ज्वैलर्स द्वारा स्वीकार्य होनी चाहिए।

3. ए एंड एच केंद्र प्रभार्य आधार पर प्राथमिकता के आधार पर आम उपभोक्ताओं से सोने के आभूषणों की जांच करेगा। परख रिपोर्ट (आईएस 1418 के अनुसार) वस्तु/नमूने पर अंकित उचित पहचान देते हुए जारी की जाएगी।

4. बीआईएस मान्यता प्राप्त ए एंड एच केंद्र से उपभोक्ताओं के पास पड़े पुराने सोने के परीक्षण पर विस्तृत दिशानिर्देश उपभोक्ता से प्राप्त सोने के आभूषणों की परीक्षण रिपोर्ट जारी करने के प्रारूप के साथ परिपत्र के साथ अनुबंध-I और अनुबंध-II के रूप में संलग्न है।

5. सभी एचएमओ से अनुरोध है कि इसे सभी हितधारकों के ध्यान में लाएं और तत्काल प्रभाव से इसका अनुपालन सुनिश्चित करें।

6. सभी बीओ से अनुरोध है कि आम उपभोक्ता के लाभ के लिए इसका प्रचार प्रसार करें

7. इसे सक्षम प्राधिकारी के अनुमोदन से जारी किया जाता है।

(इंदरजीत सिंह)
वैज्ञानिक -डी/एचएमडी

प्रमुख, एचएमडी

इंटरनेट के माध्यम से परिचालित
सभी क्षेत्रीय कार्यालयों/ शाखा कार्यालयों,
सभी उपमहानिदेशक (क्षेत्रीय)
सभी एच.एम.ओ.
अन्य सभी संबंधित पक्ष

Bureau of Indian Standards
(Hallmarking Department)

Our Ref: HMD-14/44

23 December 2021

Subject: Testing of unhallmarked gold jewelley & artefacts of the consumer by A&H Centres

1. As per the Guidelines for Recognition & Operation of Assaying & Hallmarking Centre, the A&H centre shall also accept hallmarked jewellery from a consumer for verification of purity and issue report of assaying giving proper identification as marked on the article.
2. However in view of the Implementation of Mandatory Hallmarking, it has now been decided that a consumer can get the unhallmarked gold lying with him tested by a BIS recognized A&H Centre and the A&H Centre shall issues him a test report which should be acceptable by the jewellers.
3. The A&H centre shall undertake the assaying of gold jewellery from common consumers on priority on chargeable basis. Assay report (as per IS 1418) shall be issued giving proper identifications as marked on article/ sample.
4. The detailed Guidelines on testing of old gold lying with the consumers from BIS recognized A&H Centre along with format for issuing Test Report of Gold Jewellery Received from Consumer is enclosed as Annex-I & Annex-II with the circular.
5. All the HMOs are requested to brought it to the notice of all the stakeholders and ensure its compliance with immediate effect.
6. All the BOs are requested to give vide publicity of the same for the benefit of common consumer.
7. This issues with the approval of Competent Authority.

(Inderjeet Singh)
Scientist-D/HMD

Head, HMD

Circulated through intranet:

All DDGRs

All BOs/HMOs/ROs

**Guidelines on Testing of old gold lying with the consumers from BIS
recognized AHC**

- a. Consumer can bring one or multiple pieces of jewellery lying with them for testing to BIS recognized Assaying and hallmarking centre (AHC).
- b. The lot brought by the consumer upto 10 pieces may be considered as a mixed lot and tested as per the provisions of mixed lots mentioned in the IS 15820: 2009.
- c. The jewellery brought by the consumer shall be weighed in presence of the consumer.
- d. Each article shall be tagged with a serial number for identification.
- e. Each jewellery piece should be individually checked by XRF for purity of gold and also for the absence of prohibited elements such as Iridium, Ruthenium, Cadmium and Osmium.
- f. Sampling should be done in such a way that there is minimum damage to the jewellery. The consent for the sampling method shall be obtained from the consumer before hand
- g. If desired by consumer the report may be issued for the jewellery tested only based on the XRF however in the report it should be specifically mentioned that XRF gives gold content of surface only and the purity checked by XRF may vary by ± 5 ppt.
- h. After testing by fire assay a test report should be issued to the consumer by the AHC in the format placed at Annexure-II The photograph and weight of the jewellery shall also be mentioned in the report.
- i. The jewellery along with cornets and remnants, if any, should be returned to the consumer on the same day. If due to any reason the fire assay could not be done on the same day, the jewellery should be returned to the consumer after XRF and only the sample retained by the AHC which shall be tested and cornet returned to the consumer the next day.
- j. The AHC shall be responsible for the purity tested by him and thus if the AHC has any doubt about the jewellery being hollow, wax filled or made of mixed metals etc the same shall be mentioned in the report.
- k. AHC shall charge Rs 35 per article for testing from consumer, however the minimum charges for one lot shall be Rs 200.
- l. Before testing the following should be informed to the consumer and also displayed at a prominent position in AHC that is easily visible to the consumer
 - i. That the purity of gold shall be tested by two methods. – a) XRF method b) Fire assaying method
 - ii. XRF method is a non-destructive, preliminary method and gives gold content of surface only. It may and may not represent average purity of the gold article. Purity certificate cannot be issued on the basis of XRF test only.
 - iii. Fire assaying method is a destructive method. It is, however, most widely used and accurate method for gold content globally.

- iv. Around 300 mg to 500 mg of sample is required to ascertain purity of gold jewellery by fire assaying. This weight of sample, therefore, needs to be removed from the article.
- v. After completion of fire assaying process pure gold cornets obtained from the sample taken above shall be returned to the consumer. Also the remnants of sample taken shall be returned to the consumer.
- vi. There may still be difference in the amount of sample taken and amount of pure gold cornet and remnants returned to the customer because the sample taken is of alloyed gold whereas the cornet is of pure gold without any alloying elements.
- vii. Sampling shall be done by AHC by scrapping, drilling or cutting depending upon the article size, type and design. Every precaution shall be exercised by the AHC in sampling to ensure minimum damage to the gold jewelry, however there may still be a slight damage to the jewelry while drawing sample.
- viii. Testing charges shall be Rs 35 per article, however the minimum charges for one lot shall be Rs 200.

Annexure-II

Name of the AHC

Address:

Test Report Of Gold Jewellery Received From Consumer

Test Article Receipt Date	
Test Performance Date	
Test Sample No & Report No	
Name of the Consumer	
Address & Contact Number	
Description of Article Received	
Photograph of article received	
Weight Of Article Received (In gm)	
Number of Article Received	
Hallmarked /Not Hallmarked	
Gold Content As Measured By XRF In Parts Per Thousand	
Presence/ Absence Of Undesirable Elements by XRF (Iridium, Ruthenium, Cadmium, Osmium)	
Method Of Sampling	
Sample Weight	
Gold Content In Parts Per Thousand	1 st Value: 2 nd Value: Mean Value:
Weight Of Article Returned (gm)	
Weight Of Pure Gold/Cornet Returned After Assaying(gm)	
Weight Of Remnants Returned (gm)	
Any Deviations From The Method Specified In The Standard	
Any Unusual Features Observed During The Determination	

Assay Master

(Signature)

Tested By

(Signature)

Certified

(Signature & Seal of AHC)