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BUREAU OF INDIAN STANDARDS
(Metallurgical Engineering Department)

Draft MINUTES

Alloy Steels & Forgings Sectional Committee, MTD 16

Time & date: 1030 - 1600h, 23 Dec 2022

Venue: Manak Bhawan, New Delhi

Chairman: Shri T. Muthukumar, MIDHANI

Member Secretary: Mr. Arun Pucchakayala

Members and Invitees Present:

Sl.No	Organization	Represented By	E-mail
1.	BEML Limited, Bengaluru	Sh B. H. Madhusudhan*	gh@bemlindia.in
2.	Indian Stainless Steel Development Association, Gurugram	Sh Rohit Kumar	rohit@stainlessindia.org
3.	Jindal Stainless Limited, New Delhi	Sh V Narasimha Rao	vnarasimharao@jshl.in
4.	Ministry of Steel, New Delhi	Sh Parmjeet Singh	parmjeet.singh@gov.in
5.	Mukand Limited, Thane	Sh Sunil Nair*	sunilnair@mukandsumi.com
6.	Schaeffler India Limited, Vadodara	Sh Anshuman Ganeriwala	ganerash@schaeffler.com
7.	Star Wire (India) Limited, Faridabad	Dr Shivraj Singh Kasana * Dr. Avnish Kumar (Alt)	sskasana@starwire.in avnishkumar@starwire.in
8.	Steel Authority Of India Limited (SAIL), Visvesvaraya Iron and Steel Plant (VISL), Bhadravathi	Sh Ravi Kiran Upadya*	ravikiran.upadya.p@sail.in
9.	Steel Authority Of India Limited, IISCO Steel Plant, Bardhaman	Sh Saikat De*	aikat6028@gmail.com
10.	Steel Authority of India Limited (SAIL) - Salem Steel Plant, Salem	Sh Virender Veer	virenderveer@sail.in
11.	Sundram Fasteners Limited, Chennai	Dr P. Shanmugam*	shanmugam.p@sfl.co.in
12.	Sunflag Iron & Steel Company Limited, New Delhi	Sh K K Bariar*	k kb@sunflagsteel.com
	Invitees		
1	Sunflag Iron & Steel Company Limited	Sh Nitin Narwariya*	narwariya1@rediffmail.com
2	Technical Division, Ministry of Steel	Sh Anand	anand248@gov.in

*attended through VC

SI No	Subject	Decision of the committee in the Previous Meetings	Action taken on the decision of the committee during its last meeting	Decision of the Committee during the current Meeting
(1)	(2)	(3)	(4)	(5)
1	<p>Inclusion of new grades in IS 15997:2012</p> <p><i>Low Nickel Austenitic Stainless Steel Sheet and Strip For Utensils And Kitchens Appliances</i></p> <p>MTD 16 21231</p>	<p>Based on the presentation given by Sh Rohit on 11 June 2018, it was observed that out of two heats of grade N5, N6 one heat coupon sample showed exponentially high Cr release in lactic acid other than just above limits in acetic and tartaric acids and out of two heat of N4, one heat coupon sample showed slight high Cr release in lactic acid, However all the heats are passing in leachability test in cookware.</p> <p>In view of above , the committee after deliberation decided that retesting may be carried out on all the grades as per earlier sampling plan, on coupon only, for the requirements which were found failing, The testing shall be coordinated by ISSDA and the entire funding of the testing shall be borne by ISSDA. However before the samples are taken up for retesting, the complete report of the testing shall be forwarded to committee member for their comments. The retest shall be started only after approval of committee and Chairman after the circulation of complete test report.</p> <p>The committee also decided that the sample found failing shall be sent to RDCIS, Ranchi for analysis to check the difference in both the heats, mainly related to microstructure. RDCIS, Ranchi was requested to provide the test result in one month time to BIS.</p> <p>The complete report of the testing of N4, N5 and N6 grade for leachability in food was submitted by ISSDA to BIS on 2 April 2019. ISSDA had also submitted a summary report of the testing alongwith the recommendation of the panel.</p> <p>Also a panel meeting of the members constituted for reviewing the testing of low nickel grades viz N4, N5 & N6 was held in Chennai on 18/1/2019 and the minutes of the panel meeting was shared with the Committee.</p> <p>Vide email dated 3/4/2019, Committee members were requested to go through the report attached on the testing of grades and give their comments on the same, latest by 8/4/2019.</p> <p>The committee deliberated on the testing report of low nickel grades of N4, N5 and N6 received from SIIR and accepted the summary report of the panel. During the meeting, the test report received from SIIR was also displayed. The committee after</p>	<p>As desired by the committee, the recommendation was submitted to MTDC during its 29th meeting held on 26 Sep 2022.</p> <p>It is informed that MTDC agreed with the recommendation of the Committee.</p> <p>Subsequently, in coordination with panel Convenor Sh Rohit Kumar, both the consolidated report and draft amendment was circulated among members on 18/21 Nov 2022, seeking consent for sending the draft amendment for wide circulation.</p> <p>Consequently, With prior approval from Chairman MTD 16, the draft amendment MTD 16 21231 was sent for wide circulation on 01 Dec 2022 inviting comments till 31 Dec 2022 (Appendix-1, Pg 28).</p> <p>Comments were received from M/s SUNCITY STAINLESS LLP, vide email dated: 12 Dec 2022 (Appendix-2, Pg 29-36). The Comments were forwarded to Panel Convenor on 13 Dec 2022.</p>	<p>The Committee noted the status of the draft amendment as informed by the Member Secretary.</p> <p>Further the panel convenor Sh Rohit Kumar shared prima facie views on the comments received from M/s M/s SUNCITY STAINLESS LLP stating that reducing the lower limit of chromium for a value lesser than 13.5% was not desired given the practice adopted by developed countries on stainless steels used for kitchenware. With regard to enhancing the limits of nickel from 0.95 to 1.25 for N5, it was informed to the committee that results in a situation for overlapping between grades N1 and N5. In a similar fashion enhancing the limits of nickel from 0.95 to 1.25 for N7 it was informed to the committee that may lead to situation requiring further testing and validation of the grade N7.</p> <p>Accordingly, the committee requested the panel convenor to discuss the comments within the panel and submit their views/recommendation by 05 Jan 2023.</p> <p>Further, it was decided that in case of receipt of recommendation from the panel by 05 Jan 2023 stating that no change was desired for the draft amendment, as any other change to grades at this juncture entails validation separately, the document MTD 16 21231 shall be sent for printing with prior approval of Chairman.</p>

**Draft Format to be enclosed with each document, being published by
Publication Department**

Sl. No.	Query about the Document	Answer of the Query
1.	Document Number and Title	MTD/16/ 21231 IS 15997: 2012 Low nickel austenitic stainless steel sheet and strip for utensils and kitchen appliances - Specification Amendment - 1
2.	Division Council/Chairperson	Shri Raman Srivastava
3.	Sectional Committee Chairperson Member Secretary	Shri T Muthukumar (MIDHANI)/ Shri Arun Pucchakayala
4.	Date of publication of original standard/past revision & current revision, (in case of revision)	NA
5.	Whether the document is for publishing Indigenous standard or Adopted standard	Indigenous
6.	Need for the Revision (in case of revision)	NA
7.	The substance and the advantages or impact of the new standard or revision	NA
8.	Details of current or prospective users of the standard (Academia/Industry/Institutions/Certification)	Industry, Certification and Academia
9.	The concerned Ministry/Regulatory Body, if applicable	DPIIT, Ministry of Steel
10.	The publicity or dissemination plan for potential users	Through BIS home website and BIS social network websites
11.	Any other relevant information about the document	

TABLE 2 : DETAILS ON GAZETTE NOTIFICATION OF AMENDMENT NO. 1 IS 15997: 2012

Dept.	No. & Year of the Amendment & Title of the Indian Standards	Date of Establish-ment*	Synopsis (Yes/No)	Whether Product std.(Yes/No)	If Product Standard		Justification					Date of Implementa-tion
					No. of Licenses	Proposed period for implementation	Healt h	Safety	Protection	Efficienc y	Economic impact	
							High/ Low					
1	2	3	4	5	6A	6B	7A	7B	7C	7D	7E	8
MTD	IS 15997: 2012 Low nickel austenitic stainless steel sheet and strip for utensils and kitchen appliances - Specification Amendment - 1 Doc : MTD 16 (21231)	Date of Approval of CA	N	Y	7	*	Low	Low	Low	Low	Low	*

* as proposed by CMD-2

Email

MTD MTD

Re: Request to seek approval for publishing Draft Amendment-1 to IS 15997 : 2012**From :** raman sarita <raman.sarita@gmail.com>

Wed, Feb 22, 2023 01:24 PM

Subject : Re: Request to seek approval for publishing Draft Amendment-1 to IS 15997 : 2012**To :** MTD MTD <mtd@bis.gov.in>Approved
RamanOn Wed, 15 Feb 2023, 12:18 MTD MTD, <mtd@bis.gov.in> wrote:**भारतीय मानक ब्यूरो**
(धातुकर्म अभियांत्रिकी विभाग)

दिनांक: 15.02.2023

हमारा सन्दर्भ: MTD 04/T-103

Respected Sir,

You are requested to kindly approve the following draft in accordance with sub-rule (5) of Rule 22 of Bureau of Indian Standards Rules, 2018. The drafts has been finalized by Alloy Steels and Forging Sectional Committee (**MTD16**) and Chairman after giving due consideration to the comments received from important Producers, Consumers, Technologists, Members of Metallurgical Engineering Division Council:

1. **MTD 16 (21231) - Low nickel austenitic stainless steel sheet and strip for utensils and kitchen appliances - Specification Amendment - 1**

Copy of the draft document has been attached to this mail for kind information please.

Thanking You,

Yours Sincerely,
Sanjiv Maini,
Scientist- `F' & Head (MTD)

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धातुकर्म इंजीनियरिंग विभाग/Metallurgical Engineering Department
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