MET.0080/56

Report of Sample Analysis

Issued Date	:	6 February 2013
Customer	:	Bodysteel & Silver Co., Ltd 31/4 Soi Laolada, Aroonamarin Rd., Bangkoknoi,Bangkok 10700, Tel : 02-886-0112 ext 101 Fax : 02-886-0467
Serviced by	:	Metallurgical Laboratory, National Metal and Materials Technology Center
Date received	:	22 January 2013
Date analyzed	:	31 January 2013
Sample	:	Stainless steels
Identification no.	:	Stainless steels 316L
Instrument	:	Emission Spectrometer (ARL 3460 Metals Analyzer)
Test method	:	Emission Spectroscopy
Conditions	:	Room Temperature
Sample preparation	:	Grinding

Detail of Analysis

- Chemical composition analysis

Result of Analysis

- Result of chemical composition as shown in Table 1.

ศูนย์เทคโนโลยีโลหะและวัสดุแห่งชาติ
สำนักงานพัฒนาวิทยาศาสตร์และเทคโนโลยีแห่งชาติ
114 อุทยานวิทยาศาสตร์ประเทศไทย ถนนพหลโยธิน ตำบลคลองหนึ่ง อำเภอคลองหลวง
จังหวัดปทุมธานี 12120 โทรศัพท์ 0 2564 6500 โทรสาร 0 2564 6501-5

National Metal and Materials Technology Center
National Science and Technology Development Agency
114 Thailand Science Park, Phahonyothin Road, Klong 1, Klong Luang, Pathumthani 12120 Thailand.
Tel. +66 2564 6500 Fax. +66 2564 6501-5 http://www.mtec.or.th

Table 1. Chemical composition analysis (by Emission Spectrometer).

Elements	Weight percent (%)
C	0.0182
Si	0.3462
Mn	0.4431
P	0.0485
S	0.0022
Cr	15.4441
Mo	2.0319
Ni	11.6735
V	0.0663
Cu	0.3887
Nb	0.0120
As	0.0088
Sn	0.0132
Co	0.0998
Pb	0.0081
Sb	0.0118
Mg	0.0207
Fe	Balance

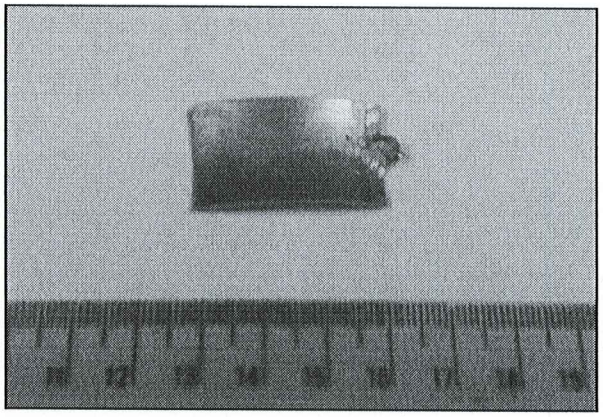

Figure 1. As-received sample.
(Stainless steels 316L)

Note

- The above data are average values taken from three measurements.
- The composition shows only elements according to standardized specimen (stainless steels).

Work performed by :

(Prapas Kunnam)
Engineer

Approved by :

(Thanaporn Korad)
Head of Metallurgical Laboratory

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