

**PHILTECH GLASS INDUSTRIES CORPORATION**

#44 De Versa Street cor. Roosevelt Avenue,  
SFDM, Quezon City, Philippines 1105

**TO WHOM THIS MAY CONCERN:**

Based on the chemical analysis reflected in MIRDC Certificate No. 2012-1-0392-39, the chemical composition of the sample designated by the customer as **Stainless Steel 304** falls within standard austenitic stainless steel UNS S30400 as specified in ASM Alloy Digest Stainless Steels Sourcebook, 2000, or commonly known as stainless steel Type 304 classified as general purpose grade and austenitic chromium-nickel stainless steel.

  
**NELSON L. TUMIBAY**


Senior Science Research Specialist  
Physical Metallurgy Laboratory

Noted :

**RODNEL O. TAMAYO**

Officer-in-Charge  
Materials and Process Research Division

Report Number : **2012-1-0260-43A**  
Date : **14 November 2012**





# METALS INDUSTRY RESEARCH AND DEVELOPMENT CENTER

Department of Science and Technology  
Gen. Santos Ave., Bicutan, Taguig City, 1631 Philippines  
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## ANALYSIS AND TESTING DIVISION

# CERTIFICATE



### PHILTECH GLASS INDUSTRIES CORPORATION

# 44 De Versa Street, Corner Roosevelt Avenue,  
SFDN, Quezon City, Philippines 1105

Type of Analysis : **CHEMICAL ANALYSIS**  
Customer's Sample Description : **Stainless Steel 304**  
Date Received : **03 October 2012**  
Test Started : **05 October 2012**  
Test Completed : **24 October 2012**

### TEST METHOD/S :


Test conducted on as-received sample/s in accordance with:


C, S - ASTM E 1019-08  
Si, Ni - ASTM E 353-93 (Reapproved 2006) (Modified)  
P - ISO 2732-1984  
Mn, Cu - PCL-NTP-004 (Flame Atomic Absorption Analysis)  
Cr - PCL-NTP-005 (Analysis of Chromium)  
Mo - PCL-NTP-003 (Analysis of Molybdenum)

### TEST RESULT/S :

% C	% S	% Si	% P	% Mn	% Ni	% Cu	% Cr	% Mo
0.050	0.003	0.76	0.036	1.12	8.23	0.21	18.34	0.077

Note : Other remaining elements were not identified/analyzed.

  
**GINA A. CATALAN**  
Approved Signatory

  
Noted by : **RIO S. PAGTALUNAN, Dr.Tech.**  
Division Chief

Certificate No. : **2012-1-0392-39**  
Date : **29 October 2012**