



# Sample Results

| Sample Result Name           | Type                          | Measure Date Time            | Recalculation Date Time | Origin            |
|------------------------------|-------------------------------|------------------------------|-------------------------|-------------------|
| 10353 ( DIA-56MM ) HNO-R-899 | Unknown                       | Wednesday, December 17, 2014 | 4:30:46 PM              | Measured          |
| Method Name                  | Method Version                | Operator Name                | Check Type              | Check Status      |
| Fe-30-MO                     |                               | SARASAE                      | None                    | Not Used          |
| Grade Verification Name      | Grade Verification Similarity | Correction Type              | Type Corr Sample Name   | Grade Search Name |
|                              | 0                             | None                         |                         |                   |

| Grade Search Similarity | Type | Status   | Outlier Removal |
|-------------------------|------|----------|-----------------|
| 0                       | None | Not Used |                 |

| Sample Name                  | Grade |
|------------------------------|-------|
| 10353 ( DIA-56MM ) HNO-R-899 |       |

|         | C     | Si    | Mn    | P     | S     | Cr    | Mo    | Ni    | Al    | Co    | Cu    | Nb    | Ti     | V     | W     | Pb    | Sn    | As     | Zr    |
|---------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|-------|-------|-------|-------|--------|-------|
| Conc    | Conc  | Conc  | Conc  | Conc  | Conc  | Conc  | Conc  | Conc  | Conc  | Conc  | Conc  | Conc  | Conc   | Conc  | Conc  | Conc  | Conc  | Conc   | Conc  |
| %       | %     | %     | %     | %     | %     | %     | %     | %     | %     | %     | %     | %     | %      | %     | %     | %     | %     | %      | %     |
| 1       | 0.073 | 0.44  | 1.54  | 0.040 | 0.029 | 16.67 | 2.21  | 10.28 | 0.005 | 0.17  | 0.40  | 0.014 | 0.013  | 0.055 | 0.044 | 0.010 | 0.007 | <0.005 | 0.003 |
| 3       | 0.072 | 0.44  | 1.53  | 0.040 | 0.024 | 16.77 | 2.18  | 10.30 | 0.005 | 0.17  | 0.40  | 0.015 | 0.012  | 0.055 | 0.048 | 0.010 | 0.008 | <0.005 | 0.003 |
| 4       | 0.071 | 0.49  | 1.49  | 0.043 | 0.026 | 16.75 | 2.17  | 10.38 | 0.006 | 0.17  | 0.38  | 0.013 | 0.012  | 0.051 | 0.048 | 0.011 | 0.005 | <0.005 | 0.004 |
| 5       | 0.076 | 0.46  | 1.50  | 0.040 | 0.029 | 16.68 | 2.17  | 10.34 | 0.007 | 0.17  | 0.38  | 0.013 | 0.013  | 0.051 | 0.044 | 0.011 | 0.006 | <0.005 | 0.003 |
| Rep     | 0.073 | 0.46  | 1.51  | 0.041 | 0.027 | 16.72 | 2.18  | 10.33 | 0.006 | 0.17  | 0.39  | 0.014 | 0.013  | 0.053 | 0.046 | 0.011 | 0.006 | <0.005 | 0.003 |
| Min Cal | 0.006 | 0.005 | 0.004 | 0.003 | 0.002 | 0.005 | 0.003 | 0.005 | 0.003 | 0.005 | 0.002 | 0.005 | 0.0010 | 0.002 | 0.040 | 0.010 | 0.002 | 0.005  | 0.003 |
| Mean    | 0.073 | 0.46  | 1.51  | 0.041 | 0.027 | 16.72 | 2.18  | 10.33 | 0.006 | 0.17  | 0.39  | 0.014 | 0.013  | 0.053 | 0.046 | 0.011 | 0.006 | <0.014 | 0.003 |
| Max Cal | 3.00  | 5.04  | 18.12 | 0.18  | 0.30  | 36.00 | 10.20 | 55.2  | 6.24  | 21.60 | 7.44  | 3.60  | 3.60   | 12.00 | 7.32  | 0.13  | 0.27  | 0.13   | 0.19  |

|         | Ca     | B     | Fe   |
|---------|--------|-------|------|
| Conc    | Conc   | Conc  | Conc |
| %       | %      | %     | %    |
| 1       | 0.002  | 0.001 | 68.0 |
| 3       | 0.002  | 0.001 | 67.9 |
| 4       | 0.002  | 0.002 | 67.9 |
| 5       | 0.002  | 0.001 | 68.0 |
| Rep     | 0.002  | 0.001 | 67.9 |
| Min Cal | 0.0005 |       |      |
| Mean    | 0.002  | 0.001 | 68.0 |
| Max Cal | 0.016  | 0.025 |      |

Quality in SS 316 as  
per spec 26-720  
Deepali

## Parvati Private Limited

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### TEST CERTIFICATE

TC No.: P-271

Date : 16.12.14

INVOICE NO: 405

Customer Name & Address :

M/S SARA SAE P. LTD.  
DEHRADUN

Supply Condition :

AS Rolled

### CHEMICAL ANALYSIS IN PERCENTAGE

| H.NO  | Grade    | C    | Si  | Mn   | P    | S    | Cr    | Mo   | Ni    | N     | Size  | Pc | Weight | Colour Code |
|-------|----------|------|-----|------|------|------|-------|------|-------|-------|-------|----|--------|-------------|
| R-898 | AISI-316 | .064 | .56 | 1.54 | .037 | .013 | 16.82 | 2.03 | 10.06 | .0540 | 56 MM | 50 | 5320   | BLUE        |
| R-899 | AISI-316 | .071 | .53 | 1.51 | .034 | .018 | 16.74 | 2.07 | 10.13 | .0571 | 56 MM | 46 | 4905   | BLUE        |
|       |          |      |     |      |      |      |       |      |       |       |       |    |        |             |
|       |          |      |     |      |      |      |       |      |       |       |       |    |        |             |

Remarks :

Manufacturing Route: Electric Induction Furnace

Ultrasonic testing as per ASTM A 388

Material is free from residual radioactive elements.

Lead not added during manufacturing.

We are Confirming that the Test Certificate findings are Correct & Results are as per Standard / Customer's Requirements.

Quality in 8316  
as per spec - 720  
Lab Incharge



Quality Controller