

**Laboratory** Quality Evaluation Services-Testing Laboratory, Plot No. B-19/1,  
B- Block, Autonagar, Visakhapatnam, Andhra Pradesh

**Accreditation Standard** ISO/IEC 17025: 2005

**Discipline** Chemical Testing **Issue Date** 25.07.2014

**Certificate Number** T-1404 **Valid Until** 21.04.2016

**Last Amended on** - **Page** 1 of 8

S.No.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
<b>I. METALS &amp; ALLOYS</b>				
1.	EN Materials	B	QES/SOP/02/09 (AES) Issue No : 01 Dt : 09-09-2011	0.0005 – 0.015%
		C	QES/SOP/02/09 (AES) Issue No : 01 Dt : 09-09-2011	0.02– 1.50%
		Si	QES/SOP/02/09 (AES) Issue No : 01 Dt : 09-09-2011	0.02– 1.50%
		Mn	QES/SOP/02/09 (AES) Issue No : 01 Dt : 09-09-2011	0.015– 2.00%
		P	QES/SOP/02/09 (AES) Issue No : 01 Dt : 09-09-2011	0.01 – 0.10%
		S	QES/SOP/02/09 (AES) Issue No : 01 Dt : 09-09-2011	0.01 – 0.10%
		Cr	QES/SOP/02/09 (AES) Issue No : 01 Dt : 09-09-2011	0.02 – 4.00%

**Laboratory** Quality Evaluation Services-Testing Laboratory, Plot No. B-19/1,  
B- Block, Autonagar, Visakhapatnam, Andhra Pradesh

**Accreditation Standard** ISO/IEC 17025: 2005

**Discipline** Chemical Testing **Issue Date** 25.07.2014

**Certificate Number** T-1404 **Valid Until** 21.04.2016

**Last Amended on** - **Page** 2 of 8

S.No.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
	EN Materials	Mo	QES/SOP/02/09 (AES) Issue No : 01 Dt : 09-09-2011	0.02 – 1.50%
		Ni	QES/SOP/02/09 (AES) Issue No : 01 Dt : 09-09-2011	0.02 – 5.00%
		Al	QES/SOP/02/09 (AES) Issue No : 01 Dt : 09-09-2011	0.01 – 0.50%
		Cu	QES/SOP/02/09 (AES) Issue No : 01 Dt : 09-09-2011	0.02 – 1.00%
		V	QES/SOP/02/09 (AES) Issue No : 01 Dt : 09-09-2011	0.01 – 0.50%
		C	IS : 228 (P-1)-1987 Reaffirmed 2002 Issue No : 01 Dt : 01-04-2007	0.05 –2.50%
		S	IS : 228 (P-9)-1989 Reaffirmed 2004 Issue No : 01 Dt : 01-04-2007	0.01– 0.25%
			IS : 12308 (P-2)-1987 Reaffirmed 2002 (Laboratory Developed Method) Issue No : 01 Dt : 01-04-2007	0.005-0.25%

**Laboratory** Quality Evaluation Services-Testing Laboratory, Plot No. B-19/1,  
B- Block, Autonagar, Visakhapatnam, Andhra Pradesh

**Accreditation Standard** ISO/IEC 17025: 2005

**Discipline** Chemical Testing **Issue Date** 25.07.2014

**Certificate Number** T-1404 **Valid Until** 21.04.2016

**Last Amended on** - **Page** 3 of 8

S.No.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
	EN Materials	P	IS : 228 (P-3)-1987 Reaffirmed 2002 Issue No : 01 Dt : 01-04-2007	0.01– 0.25%
		Si	IS : 228 (P-8)-1989 Reaffirmed 2004 Issue No : 01 Dt : 01-04-2007	0.05 – 5.0%
		Mn	QES/SOP/03/09-1 (AAS) Issue No : 01 Dt : 01-04-2007	0.1 – 3.0%
		Cr	QES/SOP/02/07 IS : 228 (P-6)-1987 Reaffirmed 2002 Issue No : 01 Dt : 01-04-2007	0.1 – 4.0%
		Ni	QES/SOP/02/06 IS : 228 (P-5)-1987 Reaffirmed 2002 Issue No : 01 Dt : 01-04-2007	0.1 – 4.0%
		Mo	QES/SOP/03/09-7 (AAS) Issue No : 01 Dt : 01-04-2007	0.02 – 1.0%
2.	Low Alloy Steels	B	QES/SOP/02/09 (AES) Issue No : 01 Dt : 09-09-2011	0.0005 –0.015%

**Laboratory** Quality Evaluation Services-Testing Laboratory, Plot No. B-19/1,  
B- Block, Autonagar, Visakhapatnam, Andhra Pradesh

**Accreditation Standard** ISO/IEC 17025: 2005

**Discipline** Chemical Testing **Issue Date** 25.07.2014

**Certificate Number** T-1404 **Valid Until** 21.04.2016

**Last Amended on** - **Page** 4 of 8

S.No.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
	Low Alloy Steels	C	QES/SOP/02/09 (AES) Issue No : 01 Dt : 09-09-2011	0.02– 1.50%
		Si	QES/SOP/02/09 (AES) Issue No : 01 Dt : 09-09-2011	0.02– 1.50%
		Mn	QES/SOP/02/09 (AES) Issue No : 01 Dt : 09-09-2011	0.015– 2.00%
		P	QES/SOP/02/09 (AES) Issue No : 01 Dt : 09-09-2011	0.01 – 0.10%
		S	QES/SOP/02/09 (AES) Issue No : 01 Dt : 09-09-2011	0.01 – 0.10%
		Cr	QES/SOP/02/09 (AES) Issue No : 01 Dt : 09-09-2011	0.02 – 4.00%
		Mo	QES/SOP/02/09 (AES) Issue No : 01 Dt : 09-09-2011	0.02 – 1.50%
		Ni	QES/SOP/02/09 (AES) Issue No : 01 Dt : 09-09-2011	0.02 – 5.00%

**Laboratory** Quality Evaluation Services-Testing Laboratory, Plot No. B-19/1,  
B- Block, Autonagar, Visakhapatnam, Andhra Pradesh

**Accreditation Standard** ISO/IEC 17025: 2005

**Discipline** Chemical Testing **Issue Date** 25.07.2014

**Certificate Number** T-1404 **Valid Until** 21.04.2016

**Last Amended on** - **Page** 5 of 8

S.No.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
	Low Alloy Steels	Al	QES/SOP/02/09 (AES) Issue No : 01 Dt : 09-09-2011	0.01 – 0.50%
		Cu	QES/SOP/02/09 (AES) Issue No : 01 Dt : 09-09-2011	0.02 – 1.00%
		V	QES/SOP/02/09 (AES) Issue No : 01 Dt : 09-09-2011	0.01 – 0.50%
3.	Mild Steels	B	QES/SOP/02/09 (AES) Issue No : 01 Dt : 09-09-2011	0.0005 – 0.015%
		C	QES/SOP/02/09 (AES) Issue No : 01 Dt : 09-09-2011	0.02– 1.50%
		Si	QES/SOP/02/09 (AES) Issue No : 01 Dt : 09-09-2011	0.02– 1.50%
		Mn	QES/SOP/02/09 (AES) Issue No : 01 Dt : 09-09-2011	0.015– 2.00%
		P	QES/SOP/02/09 (AES) Issue No : 01 Dt : 09-09-2011	0.01 – 0.10%

**Laboratory** Quality Evaluation Services-Testing Laboratory, Plot No. B-19/1,  
B- Block, Autonagar, Visakhapatnam, Andhra Pradesh

**Accreditation Standard** ISO/IEC 17025: 2005

**Discipline** Chemical Testing **Issue Date** 25.07.2014

**Certificate Number** T-1404 **Valid Until** 21.04.2016

**Last Amended on** - **Page** 6 of 8

S.No.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
	Mild Steels	S	QES/SOP/02/09 (AES) Issue No : 01 Dt : 09-09-2011	0.01 – 0.10%
		Cr	QES/SOP/02/09 (AES) Issue No : 01 Dt : 09-09-2011	0.02 – 4.00%
		Mo	QES/SOP/02/09 (AES) Issue No : 01 Dt : 09-09-2011	0.02 – 1.50%
		Ni	QES/SOP/02/09 (AES) Issue No : 01 Dt : 09-09-2011	0.02 – 5.00%
		Al	QES/SOP/02/09 (AES) Issue No : 01 Dt : 09-09-2011	0.01 – 0.50%
		Cu	QES/SOP/02/09 (AES) Issue No : 01 Dt : 09-09-2011	0.02 – 1.00%
		V	QES/SOP/02/09 (AES) Issue No : 01 Dt : 09-09-2011	0.01 – 0.50%
4.	Stainless Steels	C	IS : 228 (P-1)-1987 Reaffirmed 2002 Issue No : 01 Dt : 01-04-2007	0.05 – 2.50%

**Laboratory** Quality Evaluation Services-Testing Laboratory, Plot No. B-19/1,  
B- Block, Autonagar, Visakhapatnam, Andhra Pradesh

**Accreditation Standard** ISO/IEC 17025: 2005

**Discipline** Chemical Testing **Issue Date** 25.07.2014

**Certificate Number** T-1404 **Valid Until** 21.04.2016

**Last Amended on** - **Page** 7 of 8

S.No.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
	Stainless Steels	S	IS : 228 (P-9)-1989 Reaffirmed 2004 Issue No : 01 Dt : 01-04-2007	0.01– 0.25%
			IS : 12308 (P-2)-1987 Reaffirmed 2002 (Laboratory Developed Method)	0.005– 0.25%
		P	IS : 228 (P-3)-1987 Reaffirmed 2002 Issue No : 01 Dt : 01-04-2007	0.01– 0.25%
		Si	IS : 228 (P-8)-1989 Reaffirmed 2004 Issue No : 01 Dt : 01-04-2007	0.05 – 5.0%
		Mn	QES/SOP/03/09-2 (AAS) Issue No : 01 Dt : 01-04-2007	0.1 – 3.0%
		Cr	QES/SOP/02/07 IS : 228 (P-6)-1987 Reaffirmed 2002 Issue No : 01 Dt : 01-04-2007	0.1 – 25.0%
		Ni	QES/SOP/02/06 IS : 228 (P-5)-1987 Reaffirmed 2002 Issue No : 01 Dt : 01-04-2007	0.1 – 25.0%

**Laboratory** Quality Evaluation Services-Testing Laboratory, Plot No. B-19/1,  
B- Block, Autonagar, Visakhapatnam, Andhra Pradesh

**Accreditation Standard** ISO/IEC 17025: 2005

**Discipline** Chemical Testing **Issue Date** 25.07.2014

**Certificate Number** T-1404 **Valid Until** 21.04.2016

**Last Amended on** - **Page** 8 of 8

S.No.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
	Stainless Steels	Mo	QES/SOP/03/09-8 (AAS) Issue No : 01 Dt : 01-04-2007	0.5– 4.0%

~~-X-X-X-X-X-X-X-X-X-X-X-X-~~