



# QA Testing Laboratories Pvt. Ltd.

(Govt. Approved Testing Laboratories)

B-76, Sector-64, Gautam Buddha Nagar, Noida-201301 (Uttar Pradesh)

Quality Assurance

Tel. : +91-120-4133953 • Mobile : +91-8287945370 • E-mail : admin@qatestinglaboratories.com

Website : www.qatestinglaboratories.com • CIN : U51100UP2018PTC108293 • GSTIN : 09AAACQ5609C1ZN



An ISO 9001:2015, 14001:2015 & 45001:2018 Accredited Laboratory

## TEST CERTIFICATE

(This Certificate is not Valid without Hologram)



Issued To,  
M/s RDS Enterprises  
C-312 & C-343 A New Ashok Nagar  
East Delhi -110096

Report No. QAL/BM/21120300902  
Report Date 07/12/2021  
Sample Received On 03/12/2021  
Analysis Date 03/12/2021  
Report Prepared On 07/12/2021  
Submitted By Customer

Sample Description M.S Angle ( 25mm x 25mm x 5mm )  
Name of Work Thief Proof Rifle Rack  
Work Address M/s RDS Enterprises C-312 & C-343 A New Ashok Nagar Delhi -110096

S.no	Parameters	Unit	Methods	Result	Specification as per IS :2062:2011 & IS:808 Grade : E250 Quality'A'
1	<b>Mechanical Properties</b>				
a.	Tensile Strength	Mpa	IS: 1608-2005	471	410 Min.
b.	Yield Stress	Mpa	IS: 1608-2005	311	250Min.
c.	Elongation	%	IS: 1608-2005	29.2	23Min.
d.	Internal Bend Test	-	IS: 1608-2005	Passes the Test	No Crack on bent Portion
e.	Weight	kg/m	IS: 808-1989	2.62	2.6 + 5% -3%
2	<b>Chemical Composition</b>				
a.	Carbon	%	IS :228( Part-1-1987)	0.17	0.23 Max.
b.	Manganese	%	IS :228( Part-1-1987)	0.68	1.50 Max.
c.	Sulphur	%	IS :228( Part-1-1987)	0.027	0.045 Max.
d.	Phosphorus	%	IS :228( Part-1-1987)	0.029	0.045 Max.
e.	Silicon	%	IS :228( Part-1-1987)	0.18	0.40 Max.

Remarks : The Sample meets to requirement as per IS : 2062 : 2011 for Grade :E250 Quality 'A' with respect to above test only.

\*\*\*End of Report\*\*\*

Authorized By (Sign & Stamp):  
*Ujjwal Kumar*  
DY. Technical Manager

Approved By (Sign & Stamp):  
*Dilip Kumar*  
Quality Manager

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Issued To,  
M/s RDS Enterprises  
C-312 & C-343 A New Ashok Nagar  
East Delhi -110096

Report No. QAL/BM/21120300903  
Report Date 07/12/2021  
Sample Received On 03/12/2021  
Analysis Date 03/12/2021  
Report Prepared On 07/12/2021  
Submitted By Customer

Sample Description  
Name of Work  
Work Address

M.S Angle (L 35mm x 35mm x 5mm )  
Thief Proof Rifle Rack  
M/s RDS Enterprises C-312 & C-343 A New Ashok Nagar Delhi -110096

S.no	Parameters	Unit	Methods	Result	Specification as per IS :2062:2011 & IS:808 Grade : E250 Quality 'A'
1	<b>Mechanical Properties</b>				
a.	Tensile Strength	Mpa	IS: 1608-2005	474	410 Min.
b.	Yield Stress	Mpa	IS: 1608-2005	307	250Min.
c.	Elongation	%	IS: 1608-2005	28.7	23Min.
d.	Internal Bend Test	-	IS: 1608-2005	Passes the Test	No Crack on bent Portion
e.	Weight	kg/m	IS: 808-1989	2.62	2.6 + 5% -3%
2	<b>Chemical Composition</b>				
a.	Carbon	%	IS :228( Part-1-1987)	0.18	0.23 Max.
b.	Manganese	%	IS :228( Part-1-1987)	0.71	1.50 Max.
c.	Sulphur	%	IS :228( Part-1-1987)	0.03	0.045 Max.
d.	Phosphorus	%	IS :228( Part-1-1987)	0.032	0.045 Max.
e.	Silicon	%	IS :228( Part-1-1987)	0.24	0.40 Max.

Remarks : The Sample meets to requirement as per IS : 2062 : 2011 for Grade :E250 Quality 'A' with respect to above test only.

\*\*\*End of Report\*\*\*

Upendra kumar  
Authorized By (Sign & Stamp):  
DY Technical Manager

Dileep Kumar  
Approved By (Sign & Stamp):  
Quality Manager

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Report No. QAL/BM/21120300904  
Report Date 07/12/2021  
Sample Received On 03/12/2021  
Analysis Date 03/12/2021  
Report Prepared On 07/12/2021  
Submitted By Customer

Sample Description  
Name of Work  
Work Address

M.S Angle (L 65mm x 65mm x 6mm)  
Thief Proof Rifle Rack  
M/s RDS Enterprises C-312 & C-343 A New Ashok Nagar Delhi -110096

S.no	Parameters	Unit	Methods	Result	Specification as per IS :2062:2011 & IS:808 Grade : E250 Quality'A'
1	Mechanical Properties				
a.	Tensile Strength	Mpa	IS: 1608-2005	471	410 Min.
b.	Yield Stress	Mpa	IS: 1608-2005	311	250Min.
c.	Elongation	%	IS: 1608-2005	29.2	23Min.
d.	Internal Bend Test	-	IS: 1608-2005	Passes the Test	No Crack on bent Portion
e.	Weight	kg/m	IS : 808-1989	2.62	2.6+ 5 % -3%
2	Chemical Composition				
a.	Carbon	%	IS :228( Part-1-1987)	0.17	0.23 Max.
b.	Manganese	%	IS :228( Part-1-1987)	0.68	1.50 Max.
c.	Sulphur	%	IS :228( Part-1-1987)	0.027	0.045 Max.
d.	Phosphorus	%	IS :228( Part-1-1987)	0.029	0.045 Max.
e.	Silicon	%	IS :228( Part-1-1987)	0.18	0.40 Max.

Remarks : The Sample meets to requirement as per IS : 2062 : 2011 for Grade :E250 Quality 'A' with respect to above test only.

\*\*\*End of Report\*\*\*

Upendra kumar  
Authorized By (Sign & Stamp):  
DY. Technical Manager

Dileep Kumar  
Approved By (Sign & Stamp):  
Quality Manager

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Report No. QAL/BM/21120300905  
Report Date 07/12/2021  
Sample Received On 03/12/2021  
Analysis Date 03/12/2021  
Report Prepared On 07/12/2021  
Submitted By Customer

Sample Description  
Name of Work  
Work Address

M.S IRON Sheet (Thickness 2.50mm)  
Thief Proof Rifle Rack  
M/s RDS Enterprises C-312 & C-343 A New Ashok Nagar Delhi -110096

S.no	Parameters	Unit	Methods	Result	Specification as per IS :2062:2011 & IS:808 Grade : E250 Quality'A'
1	Mechanical Properties				
a.	Tensile Strength	Mpa	IS: 1608-2005	466	410 Min.
b.	Yield Stress	Mpa	IS: 1608-2005	301	250Min.
c.	Elongation	%	IS: 1608-2005	28	23Min.
d.	Internal Bend Test	-	IS: 1608-2005	Passes the Test	No Crack on bent Portion
2	Chemical Composition				
a.	Carbon	%	IS :228( Part-1-1987)	0.16	0.23 Max.
b.	Manganese	%	IS :228( Part-1-1987)	0.69	1.50 Max.
c.	Sulphur	%	IS :228( Part-1-1987)	0.032	0.045 Max.
d.	Phosphorus	%	IS :228( Part-1-1987)	0.034	0.045 Max.
e.	Silicon	%	IS :228( Part-1-1987)	0.25	0.40 Max.

Remarks : The Sample meets to requirement as per IS : 2062 : 2011 for Grade :E250 Quality 'A' with respect to above test only.

\*\*\*End of Report\*\*\*

Upendra kumar  
Authorized By (Sign & Stamp):  
DY. Technical Manager

Approved By (Sign & Stamp):  
Quality Manager

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Report No. QAL/BM/21120300906  
Report Date 07/12/2021  
Sample Received On 03/12/2021  
Analysis Date 03/12/2021  
Report Prepared On 07/12/2021  
Submitted By Customer

Sample Description M.S IRON Sheet ( Thickness 2.00mm )  
Name of Work Thief Proof Rifle Rack  
Work Address M/s RDS Enterprises C-312 & C-343 A New Ashok Nagar Delhi -110096

S.no	Parameters	Unit	Methods	Result	Specification as per IS :2062:2011 & IS:808 Grade : E250 Quality 'A'
1	Mechanical Properties				
a.	Tensile Strength	Mpa	IS: 1608-2005	465	410 Min.
b.	Yield Stress	Mpa	IS: 1608-2005	300	250Min.
c.	Elongation	%	IS: 1608-2005	27	23Min.
d.	Internal Bend Test	-	IS: 1608-2005	Passes the Test	No Crack on bent Portion
2	Chemical Composition				
a.	Carbon	%	IS :228( Part-1-1987)	0.17	0.23 Max.
b.	Manganese	%	IS :228( Part-1-1987)	0.68	1.50 Max.
c.	Sulphur	%	IS :228( Part-1-1987)	0.033	0.045 Max.
d.	Phosphorus	%	IS :228( Part-1-1987)	0.0335	0.045 Max.
e.	Silicon	%	IS :228( Part-1-1987)	0.26	0.40 Max.

Remarks : The Sample meets to requirement as per IS : 2062 : 2011 for Grade :E250 Quality 'A' with respect to above test only.

\*\*\*End of Report\*\*\*

Upendra Kumar  
Authorized By (Sign & Stamp):  
DY. Technical Manager

Approved By (Sign & Stamp):  
Quality Manager

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Report No. QAL/BM/21120300907  
Report Date 07/12/2021  
Sample Received On 03/12/2021  
Analysis Date 03/12/2021  
Report Prepared On 07/12/2021

Sample Description Wood  
Name of Work Thief Proof Rifle Rack  
Work Address M/s RDS Enterprises C-312 & C-343 A New Ashok Nagar Delhi -110096

Physical Test  
USE Per  
Capacity  
Rack Bolted to ground  
Autounlock

### Physical Properties

PVC U Shaped Pads in Groove  
Weapon Storage  
Customised  
Yes  
As Required

S.no	Parameters	Unit	Result	Specification as per IS :399-1963
1	Weight of per cubic mtr.( at 12% Moisture )	kg/m3	676	560-850
2	Compressive Strength Coefficient of teak as 100	%	110	100 Min.

e =Heartwood only partially treatable

Remarks : The Sample Confirm to as per IS :399-1963 for teak wood with respect to above test only.

\*\*\*End of Report\*\*\*

Upendra kumar  
Authorized By (Sign & Stamp):  
Technical Manager

Approved By (Sign & Stamp):  
Quality Manager

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Report No. QAL/BM/21120300908  
Report Date 07/12/2021  
Sample Received On 03/12/2021  
Analysis Date 03/12/2021  
Report Prepared On 07/12/2021

Sample Description  
Name of Work  
Work Address

Enamel Synthetic Paint  
Thief Proof Rifle Rack  
M/s RDS Enterprises C-312 & C-343 A New Ashok Nagar Delhi -110096

S.no	Parameters	Result	Limit
1	Drying time ,Max		
i	Surface Dry	50 Minutes	120 Minutes or 2 Hours
ii	Hard Dry	140 Minutes	480 Minutes or 8 Hours
2	Consistency	Passes the Test	Smooth & Uniform and suitable for brushing without appreciable drag on the brush
3	Finish	Passes the Test	Smooth & Glossy
4	Colour	Passes the Test	Approximate match to the finishing enamel
5	Water Content ( if water is suspected to be present)	ND	0.5 Max.
6	Scratch hardness after 48 hours air -drying	Passes the Test	No Such Scratch as metal
7	Flexibility and adhesion	Passes the Test	No Visible Damage or detachment of the film after 48 hours air -drying
8	Protection Against corrosion in a system	Passes the Test	No Sign of corrosion of corrosion on the metal surface when examined after the paint film is removed.

ND : Not Detected.

Remarks : Sample Conformed to as per IS :9034 -1978 with respect to above test only.

\*\*\*End of Report\*\*\*

Authorized By (Sign & Stamp):  
Unendra kumar  
DY Technical Manager

Approved By (Sign & Stamp):  
Dinesh Kumar  
Quality Manager

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