GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

Material - KS D 3698 STS304J1

Standard Specification for Cold-Rolled Stainless Steel Sheet and Strip

Group - Ferrous Stainless Steel Alloys

Sub Group - KS D 3698 STS304J1 Cold-Rolled Stainless Steel Sheet and Strip

Application - Intended for Valve, Pump, General Engineering, Automotive and Other Industries

Grade Belongs to the Industry - Sheet and Strip

Chemical Composition		
Carbon	C %	0.080 max.
Silicon	Si %	1.700 max.
Manganese	Mn %	3.000 max.
Phosphorus	P %	0.045 max.
Sulphur	S %	0.030 max.
Nickel	Ni %	6.000 - 9.000
Chromium	Cr %	15.000 - 18.000
Copper	Cu %	1.000 - 3.000
Iron	Fe %	Balance
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment
As-Raw or Solution Annealing

Mechanical Properties	
Tensile Strength in Mpa	450 min.
Yield Strength in Mpa	155 min.
Elongation in %	40 min.
Reduction of Area in %	-
Hardness in HB	187 max.
Impact in Joule	-

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Cross Reference Table			
Material	**Standard**	**Country**	**Grade Belong to the Industry**
G 4304 SUS 304 J1	JIS	Japan	Plate, Sheet and Strip
G 4305 SUS 304 J1	JIS	Japan	Plate, Sheet and Strip
D 3698 STS 304J2	KS	Korea	Plate, Sheet and Strip
G 4304 SUS 304 J2	JIS	Japan	Plate, Sheet and Strip
G 4305 SUS 304 J2	JIS	Japan	Plate, Sheet and Strip
SAE AMS 5519 301	AISI	USA	Steel
AMS 5517 30301	SAE	USA	Sheet and Strip

Further any inquiry to discuss with Gravity Cast Pvt. Ltd. – Gravity Group of Companies team member Call on +918469160029, or email marketing@gravitycastindia.com

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