


Customer's contract No.	ZPH22403	Customer		Shape of Product	Round Bar	Standard	JSXY3319-2021	Steel grade	S45C	Certificate No.	2208020199
Heat No.	2212215	Rolling plan No.	B212250057	Delivery condition	Hot rolled	Size(mm)	DIA. 65	Weight(MT)	20.502	Bundles	14

Chemical Composition (%)

Item	C	Si	Mn	P	S	Cr	Ni	Cu	SP1												
Ladle Result	0.45	0.23	0.64	0.015	0.004	0.06	0.05	0.07	0.11												
S	R	C	Yield strength	Tensile strength	Elongation	Reduction of area	Hardness	Surface quality & Shape size													
Grade	Grade	Grade	Rp0.2 MPa	Rm MPa	A %	Z %	HBW														
1	1	2	437	682	22.0	49	184	Qualified													
1	1	2	428	680	20.5	50	188														
							190														

Note: SP1-Cr+Ni:



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