



SHIVAM
MINERALS & ALLOYS
SUPPLIER OF ALL FOUNDRY MATERIALS

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TEST CERTIFICATE

Tc Number		DATE
Supplier name		
		HIGHNITRIDED FERRO CHROME

Item OF Ferro Alloys List

Srno	Description	Element	Percentage List	Percentage List
1	Carbon	C	%	2%
2	Silicon	SI	%	2%
3	Phosphrus	P	%	23-25%
4	barium	BA	%	
5	Copper	CU	%	
6	Cobalt	CO	%	
7	Nitrogen	NIT	%	
8	Aluminium	ALU	%	
9	Vanadium	V	%	
10	Niobium	NB	%	
11	Nickel	NI	%	
12	Manganese	MN	%	2%
13	Sulphur	S	%	0.5%
14	TungsTen	TU	%	
15	Molybdenum	MO	%	
16	Titanium	TI	%	
17	Iron	FE	%	
18	Calcium	Ca	%	

For, SHIVAM MINERALS AND ALLOYS

AUTHORIZED SIGANTURE