

No. BP/F/302 B/Direct/OFI  
Ball Powder  
Dt. 07 /11/2023

Sub : Data for SDOTE/OTE cases in vender registration portal  
Ref: Letter No. 3210/Gen/PV/M1, dated-18/10/2023

With reference to the above, the Manufacturing technology and Testing/Inspection facility for Graphite Dry Sulphur Free are available in the JSS 9620-01 : 2021 (Fourth Revision) and the same may be provided :-

A) Manufacturing technology :

1. SCOPE


- 1.1 Graphite Dry Sulphur Free of sizes below 75 micron.  
1.2 Graphite Dry shall be suitable for use in Pyrotechnic Compositions.  
1.3 Graphite Dry and Graphite Dry Sulphur Free shall be suitable for use in propellant manufacture, pelleting of Composition Exploding and initiatory compositions and for such other purposes where the presence of Sulphur in Graphite Dry is not desirable.

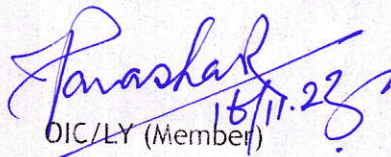
2. MATERIAL/FINISH

- 2.1 The material shall be of a good uniform, commercial quality (synthetic or natural), ground fine flaky powder. It shall be free from gritty particles, foreign matter, non-graphite carbon and visible impurities. It shall exhibit the characteristic soapy feeling when rubbed between fingers.  
2.2 The size of the material may be one of these indicated below: Size below 75 micron

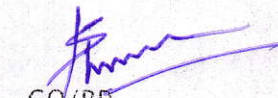
B) Testing/ Inspection Facility : Product Specification

S. No.	Characteristics	Passing Standard Graphite dry Sulphur Free
a)	Volatile Matter after drying for 2 h at 105°C ± 2°C, % by mass	0.25 Max
b)	PH of Aqueous Extract	8.0 Max 5.0 Min
c)	Matter soluble in cold water, % by mass	0.1 Max
d)	Matter soluble in Ethyl Ether, % by mass	0.25 Max
e)	Sulphur and compounds of Sulphur calculated as Sulphuric Acid, % by mass	0.25 Max
f)	Ash, % by mass	1.0 Max
g)	Gritty particles in the ash (Ash after extraction with Aqua Regia) retained on 63 micrometre IS Sieve, % by mass	0.03 Max
h)	Sieving requirement % retained on 75 micron IS seive	Nil

  
OIC/BP (Member)

  
OIC/LY (Member)

  
OIC/WI (Member)

  
GO/BP  
Chairman