TECHNOLOGY TRANSFER

Interest Exploratory Note



Strontium Perchlorate

Strontium Perchlorate is produced by various process operations like Crystallization of Sodium perchlorate (SPC) crystals, Production of Perchloric Acid, Purification of Perchloric Acid, Production of Strontium Perchlorate and Concentration of Strontium Perchlorate solution.

Properties

Purity as Strontium perchlorate (w/w) :	:	68 ± 3%
Colour and appearance :	:	Clear straw coloured
Specific gravity at 28 oC :	:	1.90 ± 0.01
Viscosity at 28 oC :	:	12 ± 3 centi poise
Acid value (mg of KOH/ g) :	:	0.6 (max)
pH of 10% Solution :	:	4.5 - 6.0
Chlorate as CIO3- :	:	0.25%
Chloride as Cl- :	:	0.1%
Suspended matter :	:	Nil

Applications

Secondary injection thrust vector control in launch vehicles

Department of Space has authorised NSIL for Technology Transfer of Strontium Perchlorate to suitable entrepreneurs/ Industry in India. Interested Parties may please fill the enclosed form and send by email to contact-nsil@isro.gov.in