



# INDUSTRIAL TECHNOLOGY INSTITUTE (ITI)

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## TEST REPORT

Report No. SS - 0914471

### Report to :

R S Mines (Pvt.) Ltd.,  
Wijekoon House,  
Madipola,  
Matale.

### Issued by :

Materials Laboratory  
Industrial Technology Institute  
363, Bauddhaloka Mawatha  
Colombo 07.

2010-01-08

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### TEST REPORT

Report No. SS - 0914471

<b>Customer :</b> R S Mines (Pvt.) Ltd., Wijekoon House, Madipola, Matale.	<b>Test Item :</b> Graphite  <b>Service Requested :</b> Customer's request dated 2009-12-18.
<b>Description :</b> One (01) Test item	<b>Identification of Test Item :</b> Not labelled  <b>Date of Receipt of Test Item :</b> 2009-12-21
<b>Test Dates :</b> From 2009-12-24 to 2010-01-06	



**TEST RESULTS :**

Test / Unit	Test Method	Results
Ash Content, % by mass	BS : 1016	0.460
Volatile matter, % by mass		0.564
Moisture Content, % by mass		0.035
Silica (SiO <sub>2</sub> ) % by mass		0.240
Ferric Oxide (Fe <sub>2</sub> O <sub>3</sub> ) % by mass		0.064
Aluminium Oxide (Al <sub>2</sub> O <sub>3</sub> ) % by mass		0.010
Calcium Oxide (CaO) % by mass		0.020
Phosphorus Pentoxide (P <sub>2</sub> O <sub>5</sub> ) % by mass		Not detected
Fixed Carbon, % by mass		98.944

  
D S Kannangara  
Senior Technical Officer

  
Authorized Signatory

**Sarath Jayatileke**  
Head  
Materials Laboratory

2010-01-08.  
-/ag.