



Certificate of Certified Reference Material

NCS FS 28001 — NCS FS 28003

Fusibility of Coal Ash

Reissued in 2013

Approved by China National Analysis Center for Iron and Steel

( Beijing China )

These Certified Reference Materials are prepared in accordance with the ISO guides 30-35. The intended use for these CRMS is for the quality control in fusibility of coal ash analysis, the evaluating methods of analysis and the calibration of analytical instruments.

No.	Fusibility(°C)		Deformation temperature	Softening Temperature	Hemisphering Temperature	Fluid temperature
	Atmosphere					
NCS FS 28001	Mildly reducing atmosphere	Certified Value Uncertainty	1161 40	1190 40	1198 40	1204 40
	Oxidizing atmosphere	Certified Value Uncertainty	1211 40	1230 40	1239 40	1252 40
NCS FS 28002	Mildly reducing atmosphere	Certified Value Uncertainty	1217 40	1340 40	1357 40	1369 40
	Oxidizing atmosphere	Certified Value Uncertainty	1356 40	1408 40	1420 40	1445 40
NCS FS 28003	Mildly reducing atmosphere	Certified Value Uncertainty	1285 40	1314 40	1322 40	1340 40
	Oxidizing atmosphere	Certified Value Uncertainty	1314 40	1345 40	1360 40	1381 40

Uncertainty is extended uncertainty at 95% confidence level.

Note:

1. 8 independent laboratories take part in the analysis work.
2. The sample is packed in bottle with size less than 0.2mm. (No need grind before use).  
The minimum package is 5 grams. The minimum weight for analysis is 0.5g.
3. The sample should be protected from contamination when use.  
It should be stored at clean and cool place.
4. The valid time of the sample is 5 years, although we reserve the right to make change as issue revisions.

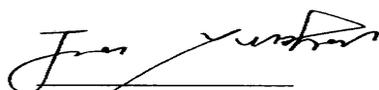
## Analytical Methods

GB/T219-1996 Method of determination of fusibility of coal ash.

### Statement:

This material is used only in labs and for analysis work, producer will be not responsible for any problem caused by misuse or not properly store.

Please check carefully the package, quantity and type of the material after receiving it. Related compensation is only limited in the certified materials, any other losses will be not included.



**Jia Yunhai**  
**Laboratory Director**