



**Calibration Standards for Sulfur and Metals in Residual Oil
and Mineral Oil for the Analysis of Fuel and Residual Oil**

DCG has available calibration standards for the analysis of sulfur and metals in fuel and residual oils. Each standard is available in either a matrix of mineral oil or residual fuel oil. Standards can be purchased individually or in calibration sets and are packaged 100 ml. bottles. Each standard is gravimetrically prepared and analytically verified. Custom standards and calibration curves are available upon request.

Part #: DCGSFNVM012**Description:** Sulfur, Iron, Nickel and Vanadium in Mineral Oil

Standard No.	Sulfur (Wt. ppm)	Iron (Wt. ppm)	Nickel (Wt. ppm)	Vanadium Wt. ppm)
1	0.0000	0	0	0
2	0.5000	300	10	500
3	1.0000	500	100	25
4	0.0000	100	80	250
5	2.0000	200	40	100
6	2.5000	400	5	400
7	3.0000	0	60	300
8	3.5000	500	0	200
9	0.0000	100	100	0
10	4.5000	300	50	250
11	5.0000	200	20	500
12	5.5000	50	100	50



Part #: DCGSFNVRO12

Description: Sulfur, Iron, Nickel, and Vanadium in Residual Fuel Oil

Standard No.	Sulfur (Wt. %)	Iron (Wt. ppm)	Nickel (Wt. ppm)	Vanadium (Wt. ppm)
1	0.1850	1	4	13
2	0.5000	300	10	500
3	1.0000	500	100	25
4	0.0000	100	80	250
5	2.0000	200	40	100
6	2.5000	400	5	400
7	3.0000	1	60	300
8	3.5000	500	4	200
9	0.0000	100	100	13
10	4.5000	300	50	250
11	5.0000	200	20	500
12	5.5000	50	100	50

Part #: DCGSNVMO12

Description: Sulfur, Nickel, and Vanadium in Mineral Oil

Standard No.	Sulfur (Wt. %)	Nickel (Wt. ppm)	Vanadium (Wt. ppm)
1	0.0000	0	0
2	0.5000	10	500
3	1.0000	100	25
4	1.5000	80	250
5	2.0000	40	100
6	2.5000	5	400
7	3.0000	60	300
8	3.5000	0	200
9	4.0000	100	0
10	4.5000	50	250
11	5.0000	20	500
12	5.5000	100	50



Part # DCGSNVRO12

Description: Sulfur, Nickel and Vanadium in Residuel Fuel Oil

Standard No.	Sulfur (Wt. %)	Nickel (Wt. ppm)	Vanadium (Wt. ppm)
1	0.1850	4	1
2	0.5000	10	500
3	1.0000	100	25
4	1.5000	80	250
5	2.0000	40	100
6	2.5000	5	400
7	3.0000	60	300
8	3.5000	0	200
9	4.0000	100	0
10	4.5000	50	250
11	5.0000	20	500
12	5.5000	100	50