



SAND CONTENT

The API sand content is defined to be that portion of the drilling mud solids whose size is greater than 74 microns. The test can be used to give a qualitative, relative indication of the solids removal equipment effectiveness, the relative amount of coarse barite present and the abrasiveness of the mud.

Equipment		Product Code
1.	Screen sand content	E40101
2.	Funnel sand content	E40201
3.	Tube sand content	E40300

TEST PROCEDURE

1. Fill the glass measuring tube to the indicated mark with mud to be tested. Add water to the next mark. Close the mouth of the tube and shake vigorously.
2. Pour the mixture onto the screen tapping it lightly to aid passing of the diluted mud through the screen. Add more clean water and repeat this wet screening procedure until the wash water in the tube is clear. Wash the sand retained on the screen to free it of any remaining mud.
3. With the sieve in an upright position, fit the funnel over the sieve, invert slowly and fit the funnel tip into the mouth of the cleaned measuring tube. Backwash the sand from the sieve using a fine spray of clean water with the measuring tube positioned vertically upright, allow the sand to settle in the tube for a few minutes. Report the sand content as the volume fraction of sand, (the volume percent divided by 100). For example if the sand content is read as 0.4% the volume fraction of sand is reported as 0.004.