
















1. EQUIPMENT

- 1.1. Flakiness gauge, checked as given in **QTF18**;
- 1.2. Scale, calibrated as given in **QTP03**, & checked as given in **QTF08** and
- 1.3. Containers.

2. METHOD

2.1. Preparation -

- 2.1.1. Ensure that the person checking flakiness index wear all the relevant personal protective equipment;

MARK "X" FOR APPLICABLE PERSONAL PROTECTIVE EQUIPMENT REQUIRED		
	Hard Hat	
	Eye Protection	X
	Face Protection: Welding Helmet	
	Hand Protection	X
	Protective Clothing: Overall	X
	Foot Wear: Safety Boots	X
	Gum boots	
	Dust mask	
	Respirator	
	Reflective Clothing	X
	Safety Harness	
	Apron	X
	Hearing Protection	X
	Use waste bins for waste separation	X
	Lock-out	

- 2.1.2. Conduct continuous risk assessment, the daily safe task instruction (DSTI);
- 2.1.3. Wear your gloves now;
- 2.1.4. Check the scale calibration certificate expiry date, if expired do not use report this to the manager;
- 2.1.5. Check the calibration label on the scale if it is still valid (*expiry date not lapsed*), if the date has expired do not use & report this to the manager;
- 2.1.6. Check if the scale is operational, safe & be aware of electrical hazards that can cause serious injury & damage incidents;
- 2.1.7. Check the condition of the flakiness gauge no damage slots, corrosion, contaminated & safe for use and
- 2.1.8. Check if the containers are marked, operational, no damage, no holes, corrosion, deformed & safe for use.



3. PROCEDURE

3.1. Flakiness Index Test:

- 3.1.1. Combine the stones sieved out during grading analysis on the second & third sieves (*Do not include stones on the first, fourth, fifth, sieves unless the percentage retained is more than 10% of the total mass of the grading analysis sample*);
- 3.1.2. Take each stone & try to pass it through the slots on the flakiness gauge, starting from the smallest slot;
- 3.1.3. When the stone passes through a slot, e.g. 26,5mm slot, place it in the 26,5mm container;
- 3.1.4. Carry on until all the stones have passed through & been placed in the marked containers;
- 3.1.5. Weigh the stones in each container, & record weights on the Flakiness Worksheet **QTF29** and
- 3.1.6. Capture the masses onto the Grading Analysis Spreadsheet **QTF25** before printing the grading results.

4. RECORDS

Note: Records generated as a result of this procedure are as follows:

ENTRY NUMBER	RECORD	LOCATION/ CUSTODIAN	MINIMUM RETENTION TIME	DISPOSAL METHOD
4.1.	QTF29 Flakiness Worksheet	QTP03 - Laboratory equipment calibration checking and maintenance.		
4.2.	QTF25 Grading Analysis Spreadsheet			
4.3.	QTF18 Checking flakiness gauge			
4.4.	Hand Tool Checklist	Various		
4.5.	Electrical Equipment Checklist	Various		

5. REFERENCES & APPENDIXES

ENTRY NUMBER	ENTRY DESCRIPTION	REFERENCE NUMBER
5.1.	Flakiness Worksheet	QTF29
5.2.	Grading Analysis Spreadsheet	QTF25
5.3.	Checking flakiness	SANS 5847:2008
5.4.	Checking flakiness gauge	QTF18
5.5.	Risk Assessment Documentation (<i>DSTI</i>)	Various
5.6.	Personal Protective Equipment Issue Record	Various
5.7.	Personal Protective Equipment Checklist	Various
5.8.	Training Certificates	Various
5.9.	Scale Calibration Certificates	Various



ACTIVITY: CHECKING FLAKINESS INDEX

(In accordance with SANS 5847:2008)

TECHNICAL MANAGER NAME		DESIGNATION/ AREA																					
TECHNICAL MANAGER SURNAME		Date																					
TECHNICAL MANAGER SIGNATURE		IDENTITY NUMBER	<table border="1"><tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr></table>																				

ACKNOWLEDGEMENT OF UNDERSTANDING OF HOW TO CHECK THE FLAKINESS INDEX

TECNICIAN NAME		DESIGNATION/ AREA																					
TECHNICIAN SURNAME		Date																					
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