



Test Report

Client:	Front Range Tire Recycle	Report #:	57056B
	PO Box 184	Lab Test #:	2505-5350
	Sedalia, CO 80135	Report Date:	January 11, 2013
	Att: Richard Welle	Page:	1 of 1

Sample Description: Rubber Mulch
 Sieve Size: 0.25" - 0.375"

Discussion: Testing Services Inc was instructed to carry out testing on supplied rubber mulch to determine the presence of

- Tramp Metal Content

Test Method: ASTM F2075 Section 9.5 : Standard Specification for Engineered Wood, Non Magnetic Tramp Metal (Modified)

Material Received: January 8, 2013

Note: A random sample lot of submitted rubber mulch was weighed (total weight) in grams prior to spreading evenly and in small amounts in a stainless steel pan. Each rubber particle was visually inspected under magnification and then passed over by two sets of magnets to detect the presence of metal. The "nonmetallic" and "metallic" rubber particles were placed into separate containers. At the conclusion of examining the entire sample lot, the particles containing metal was weighed in grams. The % metal content was then computed using:

$$\% \text{ Metal} = \frac{\text{TW-MW}}{\text{TW}} \times 100$$
 Where: TW= Total Weight of the Sample Lot Taken
 MW= Total Weight of the Rubber Particles

Test Data:

Total Weight Sample Lot Examined	Total Weight Metal Particles Detected	% Metal Content
14,175 grams	38.2 grams	0.17 %

Approved By:

Erle Miles, Jr V.P., Testing Services Inc

TSi Accreditation: Our laboratory is accredited with US Dept of Commerce, National Institute of Standards and Technology: ISO/IEC 17025:2005. Our code # is NVLAP 100108-0. TSi is also recognized as an approved Independent Test Laboratory by the Synthetic Turf Council. However, it should be noted that some or all of the tests performed are not under our scope of accreditation due to the work not fully conforming to the standard, or it being outside the scope of our accreditation, or subcontracted.

Uncertainty: We undertake all assignments for our clients on a best effort basis. Our findings and judgments are based on the information to us using the latest test methods available.

Testing Atmosphere: Unless otherwise noted, all testing was conducted under standard lab conditions of 20± 2°C and 65 ± 4% r.h.