



# TRI-STATE RIVER PRODUCTS

P.O. Box 218 Beaver PA 15009

P 724.775.2221

F 724.775.2166

January 1, 2023

PennDOT Ref. #: TSRWA14  
Material Type: Round #8 Gravel

To Whom It May Concern:

This letter is to verify that Tri-State River Products, located on the Ohio River, produces the material provided for your use. The above referenced material meets requirements of PennDOT Publication 408, Section 703 for #8 aggregate and ASTM C33 for concrete aggregates, except crush count.

Sincerely,

A handwritten signature in black ink that reads 'Caleb T. Bryan'. The signature is written in a cursive style.

Caleb T. Bryan

A handwritten signature in black ink that reads 'David T. Giehll'. The signature is written in a cursive style.

David T. Giehll

# Quality Test Report

BMG Research & Development Center

3507 Neville Road, Pittsburgh PA 15225



**Plant** Tri-State River Products - TSRWVA14  
**Product** Round #8 Gravel  
**Source** Tri-State River Products - TSRWVA14  
**Specification** PennDOT 408 Section 703 // ASTM C-33 \*Except Crush Count\*

## Sample Information

<b>Sample No</b>	Average	<b>Weather</b>	-
<b>Start Date</b>	5/1/2022	<b>Temp</b>	-
<b>Finish Date</b>	12/27/2022	<b>Split Sample</b>	<input type="checkbox"/>
<b>Sampled By</b>	Greg Sico	<b>Resample</b>	<input type="checkbox"/>
<b>Tested By</b>	David Giehl	<b>Lot/Sublot</b>	-
<b>Type</b>	Production Sample	<b>Quantity</b>	50 lbs
<b>Method</b>	Barge Stockpile		

## Gradation Results

Units	Moist Mass	Dry Mass	Moisture %	Wash ST	Wash End	Wash Loss %
lbs	12.48	12.42	0.48%	3.540	3.524	0.46%

  

Sieve	Mass Retained	Cum Mass Retained	Ind. % Retained	% Retained	% Passing	Target	Specification %
3/4"	0.00	0.00	0.0	0.0	100.0	100	100 100
1/2"	0.00	0.00	0.0	0.0	100.0	100	100 100
3/8"	0.25	0.25	2.0	2.0	98.0	92.5	85 100
1/4"	5.96	6.21	48.0	50.0	50.0	-	- -
#4	3.11	9.32	25.0	75.0	25.0	20	10 30
#8	2.73	12.05	22.0	97.0	3.0	5	0 10
#16	0.25	12.30	2.0	99.0	1.0	2.5	0 5
PAN	0.12	12.42	1.0	100.0	0.0	-	- -

## Other Test Results

Test Name	Date	Result	Unit	Target	Specification %
Wash Loss (#200)	AVG	0.46%	%	0.745	0 1.49

