





## GENCHEM

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### INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: LB86044

SDG No.: LB86044

Contract: \_\_\_\_\_ Lab Code: CHEM

Case No.: LB86044

SAS No.: LB86044

Initial Calibration Source: \_\_\_\_\_

Continuing Calibration Source: \_\_\_\_\_

| Sample ID | Analyte   | Result<br>mg/L | True Value | %<br>Recovery | %<br>RSD | Acceptance<br>Window (%R) | M | Analysis<br>Date | Analysis<br>Time | Run<br>Number |
|-----------|-----------|----------------|------------|---------------|----------|---------------------------|---|------------------|------------------|---------------|
| CCV1      | Phenolics | 0.97           | 1          | 97            | 0        | 90 - 110                  |   | 02/27/2017       | 10:01            | LB86044       |
| CCV2      | Phenolics | 0.97           | 1          | 97            | 0        | 90 - 110                  |   | 02/27/2017       | 10:01            | LB86044       |



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### INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

**Client:** LB86044

SDG No.: LB86044

**Contract:**

Lab Code: CHEM

**Case No.:** LB86044

**SAS No.:** LB86044

| Sample ID | Analyte   | Result<br>mg/L | Acceptance<br>Limit | Conc<br>Qual | LOD | CRQL | M | Analysis<br>Date | Analysis<br>Time | Run<br>Number |
|-----------|-----------|----------------|---------------------|--------------|-----|------|---|------------------|------------------|---------------|
| ICB1      | Phenolics | -0.0065        | +/-0.05             | U            |     | 0.05 |   | 02/27/2017       | 10:01            | LB86044       |



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### INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

**Client:** LB86044

SDG No.: LB86044

**Contract:**

Lab Code: CHEM

**Case No.:** LB86044

**SAS No.:** LB86044

| Sample ID | Analyte   | Result<br>mg/L | Acceptance<br>Limit | Conc<br>Qual | LOD | CRQL | M | Analysis<br>Date | Analysis<br>Time | Run<br>Number |
|-----------|-----------|----------------|---------------------|--------------|-----|------|---|------------------|------------------|---------------|
| CCB1      | Phenolics | 0.015          | +/-0.05             | J            |     | 0.05 |   | 02/27/2017       | 10:01            | LB86044       |
| CCB2      | Phenolics | -0.0052        | +/-0.05             | U            |     | 0.05 |   | 02/27/2017       | 10:01            | LB86044       |



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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB86044

SDG No.: LB86044

Contract: Lab Code: CHEM

Case No.: LB86044

SAS No.: LB86044

| Sample ID | Analyte | Result<br>mg/L | Acceptance<br>Limit | Conc<br>Qual | LOD | CRQL | M | Analysis<br>Date | Analysis<br>Time | Run<br>Number |
|-----------|---------|----------------|---------------------|--------------|-----|------|---|------------------|------------------|---------------|
|-----------|---------|----------------|---------------------|--------------|-----|------|---|------------------|------------------|---------------|



284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

## Report of Analysis

|                   |                |                 |                       |
|-------------------|----------------|-----------------|-----------------------|
| Client:           |                | Date Collected: | 2/22/2017 12:00:00 AM |
| Project:          | LB86044        | Date Received:  | 2/22/2017 12:00:00 AM |
| Client Sample ID: | TP23-24-COMP17 | SDG No.:        | LB86044               |
| Lab Sample ID:    | I1948-05       | Matrix:         | Solid                 |
| Level (low/med):  | low            | % Solid:        | 89.5                  |

| Cas | Parameter | Conc. | Qua. | DF | MDL  | LOD | LOQ / CRQL | Units | Prep Date  | Date Ana.  | Ana Met. |
|-----|-----------|-------|------|----|------|-----|------------|-------|------------|------------|----------|
|     | Phenolics | -0.47 | U    | 1  | 0.54 |     | 2.7        | mg/Kg | 02/24/2017 | 02/27/2017 | 9065     |



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## Report of Analysis

|                   |                |                 |                       |
|-------------------|----------------|-----------------|-----------------------|
| Client:           |                | Date Collected: | 2/22/2017 12:00:00 AM |
| Project:          | LB86044        | Date Received:  | 2/22/2017 12:00:00 AM |
| Client Sample ID: | TP23-24-COMP17 | SDG No.:        | LB86044               |
| Lab Sample ID:    | I1948-05       | Matrix:         | Solid                 |
| Level (low/med):  | low            | % Solid:        | 89.5                  |

| Cas | Parameter | Conc. | Qua. | DF | MDL | LOD | LOQ / CRQL | Units | Prep Date | Date Ana. | Ana Met. |
|-----|-----------|-------|------|----|-----|-----|------------|-------|-----------|-----------|----------|
|-----|-----------|-------|------|----|-----|-----|------------|-------|-----------|-----------|----------|

Color Before:

Clarity Before:

Texture:

Color After:

Clarity After:

Artifacts:

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

D = Dilution

Q = indicates LCS control criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

\* = indicates the duplicate analysis is not within control limits.

E = Indicates the reported value is estimated because of the presence of interference.

OR = Over Range

N = Spiked sample recovery not within control limits



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**PREPARATION BLANK SUMMARY**

**Client:** LB86044

**SDG No.:** LB86044

**Instrument:** Konelab 20

| Sample ID        | Analyte   | Result<br>(mg/Kg) | Acceptance<br>Limit | Conc<br>Qual         | LOD<br>mg/Kg | CRQL<br>mg/Kg  | M | Analysis<br>Date  | Analysis<br>Time  | Run     |
|------------------|-----------|-------------------|---------------------|----------------------|--------------|----------------|---|-------------------|-------------------|---------|
| <b>PB97176BL</b> |           | <b>SOLID</b>      |                     | <b>Batch Number:</b> |              | <b>PB97176</b> |   | <b>Prep Date:</b> | <b>02/24/2017</b> |         |
|                  | Phenolics | -0.29             | <2.5                | U                    |              | 2.5            |   | 02/27/2017        | 10:01             | LB86044 |



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MATRIX SPIKE SUMMARY

client: LB86044 level: low sdg no.: LB86044  
contract: lab code: CHEM case no.: LB86044 sas no.: LB86044  
matrix: Solid sample id: I1948-05 client id: TP23-24-COMP17MS  
Percent Solids for Sample: 89.5 Spiked ID: I1948-05MS Percent Solids for Spike Sample: 89.5

| Analyte   | Units | Acceptance<br>Limit %R | Spiked<br>Result | C | Sample<br>Result | C | Spike<br>Added | %<br>Recovery | Qual | M |
|-----------|-------|------------------------|------------------|---|------------------|---|----------------|---------------|------|---|
| Phenolics | mg/Kg | 75 - 125               | 52.4             |   | 0.54             | U | 54.8           | 95.6          |      |   |



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MATRIX SPIKE DUPLICATE SUMMARY

client: LB86044 level: low sdg no.: LB86044  
contract: lab code: CHEM case no.: LB86044 sas no.: LB86044  
matrix: Solid sample id: I1948-05 client id: TP23-24-COMP17MSD  
Percent Solids for Sample: 89.5 Spiked ID: I1948-05MSD Percent Solids for Spike Sample: 89.5

| Analyte   | Units | Acceptance<br>Limit %R | MSD<br>Result | C | Sample<br>Result | C | Spike<br>Added | %<br>Recovery | Qual | M |
|-----------|-------|------------------------|---------------|---|------------------|---|----------------|---------------|------|---|
| Phenolics | mg/Kg | 75 - 125               | 51.6          |   | 0.54             | U | 54.2           | 95.2          |      |   |

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## DUPLICATE SAMPLE SUMMARY

**Client:** LB86044      **Level:** LOW      **SDG No.:** LB86044  
**Contract:**                           **Lab Code:** CHEM      **Case No.:** LB86044      **SAS No.:** LB86044  
**Matrix:** Solid      **Sample ID:** I1948-05      **Client ID:** TP23-24-COMP17DUP  
**Percent Solids for Sample:** 89.5      **Duplicate ID** I1948-05DUP      **Percent Solids for Spike Sample:** 89.5

| Analyte   | Units | Acceptance Limit | Sample Result | C | Duplicate Result | C | RPD | Qual | M |
|-----------|-------|------------------|---------------|---|------------------|---|-----|------|---|
| Phenolics | mg/Kg | 20               | 0.54          | U | -0.5             | U |     |      |   |

# GENCHEM

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## DUPLICATE SAMPLE SUMMARY

**Client:** LB86044      **Level:** LOW      **SDG No.:** LB86044  
**Contract:**                           **Lab Code:** CHEM      **Case No.:** LB86044      **SAS No.:** LB86044  
**Matrix:** Solid      **Sample ID:** I1948-05MS      **Client ID:** TP23-24-COMP17MSD  
**Percent Solids for Sample:** 89.5      **Duplicate ID** I1948-05MSD      **Percent Solids for Spike Sample:** 89.5

| Analyte   | Units | Acceptance<br>Limit | Sample<br>Result | C | Duplicate<br>Result | C | RPD | Qual | M |
|-----------|-------|---------------------|------------------|---|---------------------|---|-----|------|---|
| Phenolics | mg/Kg | 20                  | 52.4             |   | 51.6                |   | 2   |      |   |



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LABORATORY CONTROL SAMPLE SUMMARY

Client: LB86044

SDG No.: LB86044

Contract:

Lab Code: CHEM

Case No.: LB86044

SAS No.: LB86044

| Analyte                | Units | True Value | Result | C | %<br>Recovery | Acceptance<br>Limits | M |
|------------------------|-------|------------|--------|---|---------------|----------------------|---|
| PB97176BS<br>Phenolics | mg/Kg | 50         | 45.5   |   | 91            | 80 - 120             |   |