



TPHs contaminated Soil Treatment Lab Test

Petroleum Treat (PT) is a high-CFU blend of petroleum-degrading bacteria for wastewater treatment and petroleum-contaminated soil bioremediation. Designed for the petrochemical, industrial, and environmental remediation sectors, PT accelerates the breakdown of aliphatic, aromatics (including PAHs), petroleum distillates, lubricating oils, and fats, oils, and greases (FOG). Natural biosurfactants and broad-spectrum enzymes increase hydrocarbon bioavailability for faster, more complete degradation. PT delivers consistent results in both wastewater and soil applications, improving stability, reducing TPH, and cutting remediation timelines even under variable field conditions.

- **High-CFU Performance:** consistent microbial activity in wastewater and soil remediation
- **Broad Contaminant Coverage:** diesel, gasoline, kerosene, heating oil, jet fuel, lubricating oils, and PAHs
- **Biosurfactant & Enzyme Production:** improves hydrocarbon bioavailability for faster breakdown
- **Proven in Multiple Systems:** effective in refinery, petrochemical, and industrial operations including API/CPI separators, DAF/IGF units, aeration basins, clarifiers, lift stations, stormwater, and soils
- **Consistent in Harsh Conditions:** performs under variable pH, temperature, and hydrocarbon loads
- **Flexible Formats:** available in powder, liquid, block, and tablet

INDEPENDENT LAB TEST RESULTS

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ANALYTICAL CHEMISTRY & TESTING SERVICES



| TPH groups | Before (PPM) | After 15 days | | | | | |
|------------|--------------|---------------|--------------|-----------------|--------------|-----------------|--------------|
| | | PT | Removal rate | Rival Product A | Removal rate | Rival Product B | Removal rate |
| C10-14 | 110 | <50 | N/A | <50 | N/A | <50 | N/A |
| C15-28 | 16800 | 7420 | 56% | 10500 | 38% | 11000 | 35% |
| C29-36 | 15300 | 6260 | 59% | 9640 | 37% | 11700 | 24% |
| C37-40 | 1470 | 390 | 73% | 660 | 55% | 890 | 39% |



Soil sample taken from the contaminated site, with pungent smell. TPHs concentrations were analyzed before the test.



8 days after adding PT, the pungent smell was completely gone. TPHs concentrations analysis was done on day 15 of the test.

