

FLAHA PA

FLAHASOIL

SOIL ANALYSIS REPORT

Professional Water Characteristics Analysis

GENERATED FOR:

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REPORT INFORMATION:

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Plan: PROFESSIONAL

Based on Saxton & Rawls (2006) Methodology
Professional Soil Water Characteristics Analysis

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1. SOIL PROPERTIES

COMPOSITION ANALYSIS

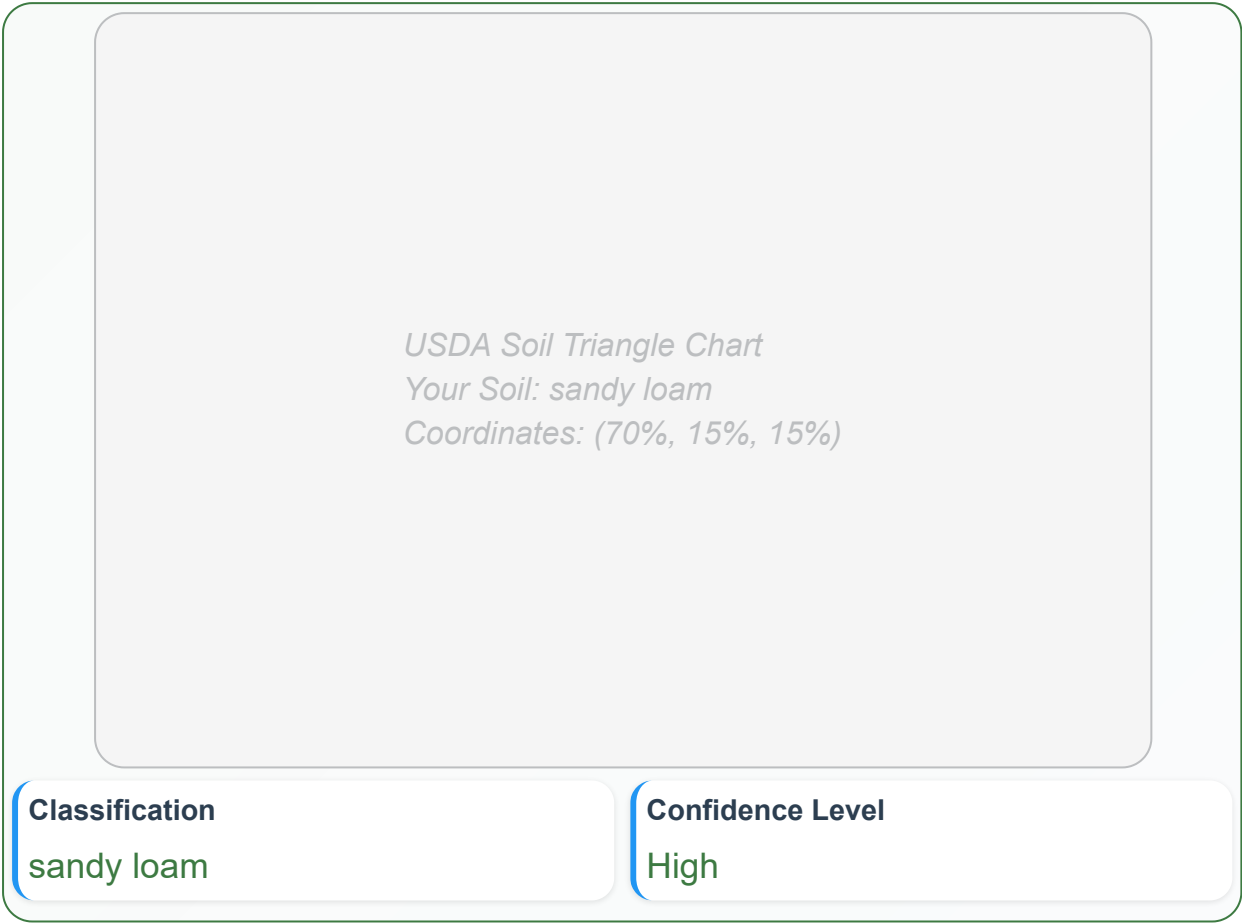
Sand Content 70%	Clay Content 15%
Silt Content 15%	Organic Matter 1.5%

BULK DENSITY ANALYSIS

Bulk Density 1.5 g/cm ³	Porosity 0.43%
Void Ratio 0.00	Texture Class sandy loam
Analysis: Moderate bulk density - typical for most agricultural soils.	

2. SOIL TEXTURE CLASSIFICATION

USDA TRIANGLE CLASSIFICATION



PARTICLE SIZE DISTRIBUTION



3. SOIL ANALYSIS RESULTS

WATER CHARACTERISTICS

Field Capacity 0.18%	Wilting Point 0.08%
Plant Available Water 0.1%	Saturation 0.35%

HYDRAULIC PROPERTIES

Saturated Conductivity 8.5 mm/hr	Infiltration Rate 8.5 mm/hr
Drainage Class Moderate	Permeability Moderate
Hydraulic Analysis: Moderate hydraulic conductivity provides balanced drainage suitable for most crops.	

QUALITY INDICATORS

Overall Quality Score 65/100	Water Retention Moderate
Nutrient Holding Moderate	Agricultural Suitability Good
Quality Assessment: Good soil quality suitable for most crops. sandy loam texture offers favorable growing conditions with minor limitations.	

4. CROP RECOMMENDATIONS

SUITABLE CROPS

Sandy Soils: Well-draining, suitable for root crops and quick-growing vegetables.

Recommended: Carrots, Potatoes, Radishes, Lettuce, Beans

Management: Frequent irrigation, organic matter addition, nutrient management.

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