

Tree Report of 21314



Genus
Samanea

Species
saman


Common Name
Hujan-hujan

Date of report
27th January, 2026

Address
Jalan P11

Position
2.9558599321618004, 101.67415288493689



 Static map of tree location



Tree Report of 21314



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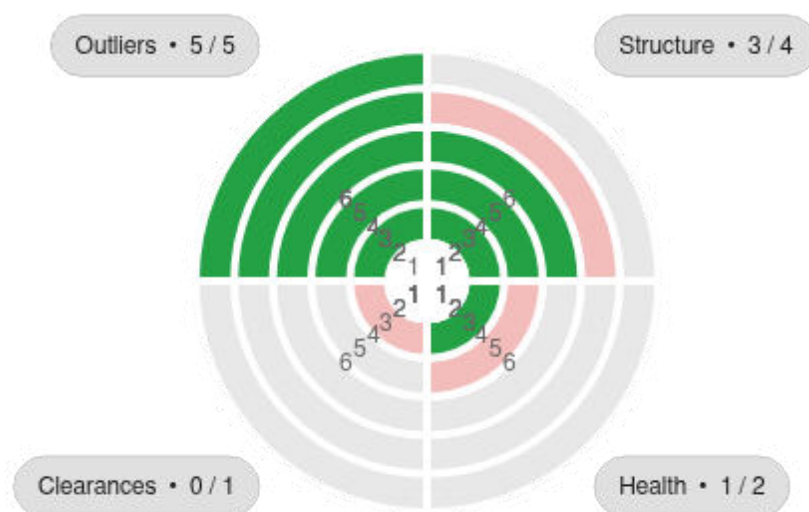
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Structural assessment

- ✗ Trunk stability (base)
- ✓ Crown Lean Angle
- ✓ Slenderness
- ✓ Dieback

Health & Vitality

- ✓ Dieback
- ✗ Foliage Transparency

Clearances

- ✗ Road

Outliers

- ✓ DBH vs Leaf Area
- ✓ Height vs Crown Volume
- ✓ DBH vs Height
- ✓ Leaf Area vs Crown Volume
- ✓ DBH vs Crown Volume

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Dimensions

Total Height	Very high	16.55 m	Crown Spread	Very large	26.89 m
Trunk Height	Medium	1.98 m	Tree Protection Zone	Very large	10.05 m
DBH	Very large	0.84 m	Root Protection Zone	Very large	15.08 m
Crown Height	Very large	11.87 m	Number Of Stems	Low	1

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Structural assessment

Stability

Slenderness	Low	19.76	Crown Lean Angle	Very high	14.73 °
Trunk Stability Index		2.31	Trunk Lean Angle	Very high	13.36 °
Critical Wind Speed		100 kmh			

Limbs

Number of Limbs	-	Fork Types	-
Codominant Stems	-	Cross-sectional shape	-
Included Bark	-		

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Health and vitality

Condition & Vigor

Dieback	Low	0.01%	Foliage Transparency	29.68%
Basal Area Increment	-		Leaf Area	Very large 3,100.86 m ²
NDVI	-		Leaf Area Index	Medium 6.04

Foliage

Leaf Area Density	Low	0.65 m ² /m ³	Live Crown Ratio	Medium 71.71%
Crown Volume	Very large	4,834.85 m ³		

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Benefits

Water management

Avoided Water Runoff	Very high	1.48 m ³ /yr	Evaporation	Very high	26.04 m ³ /yr
Potential Evapotranspiration	Very high	160.78 m ³ /yr	Transpiration	Very high	30.84 m ³ /yr
Water Intercepted	Very high	26.22 m ³ /yr			

Ecosystem services

Carbon Storage	Very high	1,993.37 kg	CO Removal	Low	0.58 g/yr
Carbon Sequestration	Very high	145.33 kg/yr	NO ₂ Removal	Low	2.27 g/yr
Oxygen Production	Very high	384.03 kg/yr	O ₃ Removal	Low	27.29 g/yr
PM _{2.5} Removal	Low	1.43 g/yr	SO ₂ Removal	Low	4.89 g/yr

Economical value

Cavat Value **Very valuable** 24,392.07 £

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Outlier information

Height / Crown Volume	No	Trunk Diameter / Height	No
Height / Leaf Area	No	Trunk Diameter / Leaf Area	No
Leaf Area Density Outlier	No	Overall Outlier Index	Low 0
Trunk Diameter / Crown Volume	No		

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Clearances

Building Clearance

⌵ Not available

Road Clearance

⊗ Issue(s) found

↳ Min. height clearance:

3.7 m

Obstruction (height):

0.0 m

Obstruction (volume):

0.2 m³

Affected crown:

0.1%

Wire Clearance

⌵ Not available

Traffic Sign Clearance

⌵ Not available

Visibility Clearance

⌵ Not available

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