

Tree Report of 21040



Genus
Samanea

Species
saman


Common Name
Hujan-hujan

Date of report
27th January, 2026

Address
Jalan P11

Position
2.9496983686057376, 101.67623099965881



 Static map of tree location



Tree Report of 21040



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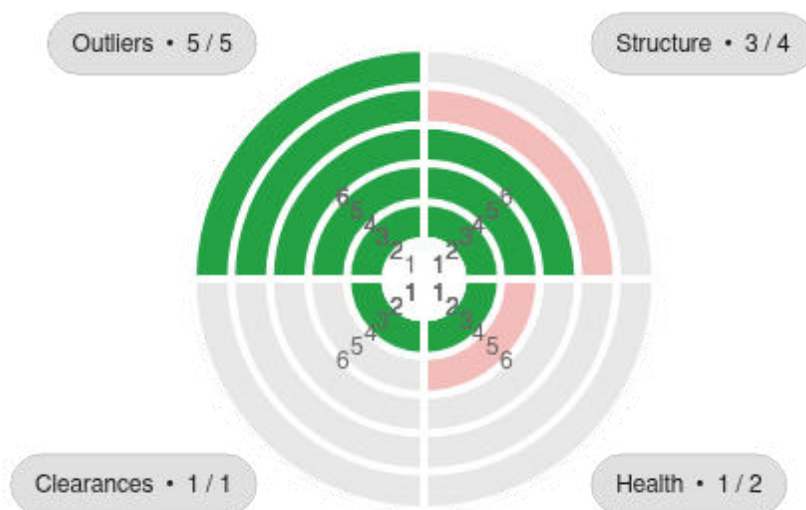
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Structural assessment

- ✗ 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	18.31 m	Crown Spread	Very large	21.05 m
Trunk Height	Very high	3.71 m	Tree Protection Zone	Very large	9.7 m
DBH	Very large	0.81 m	Root Protection Zone	Very large	14.55 m
Crown Height	Very large	12.39 m	Number Of Stems	Low	1

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Structural assessment

Stability

Slenderness	Low	22.67	Crown Lean Angle	High	11.31 °
Trunk Stability Index		1.98	Trunk Lean Angle	Very high	9.68 °
Critical Wind Speed		95 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	0.45%	Foliage Transparency		23.25%
Basal Area Increment		-	Leaf Area	Very large	1,991.49 m ²
NDVI		-	Leaf Area Index	Medium	5.68

Foliage

Leaf Area Density	Low	0.78 m ² /m ³	Live Crown Ratio	Medium	67.65%
Crown Volume	Very large	2,576.52 m ³			

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Benefits

Water management

Avoided Water Runoff	Very high	0.95 m ³ /yr	Evaporation	Very high	16.64 m ³ /yr
Potential Evapotranspiration	Very high	102.7 m ³ /yr	Transpiration	Very high	19.7 m ³ /yr
Water Intercepted	Very high	16.75 m ³ /yr			

Ecosystem services

Carbon Storage	Very high	1,805.83 kg	CO Removal	High	4.06 g/yr
Carbon Sequestration	Very high	136.64 kg/yr	NO ₂ Removal	High	16.04 g/yr
Oxygen Production	Very high	361.08 kg/yr	O ₃ Removal	High	193.32 g/yr
PM _{2.5} Removal	High	10.1 g/yr	SO ₂ Removal	High	34.61 g/yr

Economical value

Cavat Value	Very valuable	22,679.16 £
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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

✅ No issue

Wire Clearance

⌵ Not available

Traffic Sign Clearance

⌵ Not available

Visibility Clearance

⌵ Not available

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