

# Tasmanian Red Ale

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- Gravity **12.1 BLG**
- ABV **4.9 %**
- IBU **50**
- SRM **11.1**
- Style **Red IPA**

## Batch size

- Expected quantity of finished beer **18 liter(s)**
- Trub loss **5 %**
- Size with trub loss **18.9 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **22.8 liter(s)**

## Mash information

- Mash efficiency **75 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **13.3 liter(s)**
- Total mash volume **17.7 liter(s)**

## Fermentables

Type	Name	Amount	Yield	EBC
Grain	Viking Pale Ale malt	3.8 kg (85.8%)	80 %	5
Grain	Karmelowy Czerwony	0.4 kg (9%)	75 %	59
Grain	Strzegom Karmel 300	0.2 kg (4.5%)	70 %	299
Grain	black of black	0.03 kg (0.7%)	72 %	500

## Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Topaz	10 g	60 min	15 %
Boil	Waimea	5 g	60 min	17 %
Boil	Topaz	15 g	10 min	15 %
Boil	Topaz	20 g	5 min	15 %
Boil	Topaz	10 g	2 min	15 %
Boil	Waimea	10 g	2 min	17 %

## Yeasts

Name	Type	Form	Amount	Laboratory
Mangrove Jack's M44 US West Coast	Ale	Dry	15 g	Mangrove Jack's