

Preston Stranger

- Gravity **17.1 BLG**
- ABV **7.3 %**
- IBU **35**
- SRM **9.6**
- Style **Extra Special/Strong Bitter (English Pale Ale)**

Batch size

- Expected quantity of finished beer **19 liter(s)**
- Trub loss **5 %**
- Size with trub loss **19.9 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **24.1 liter(s)**

Mash information

- Mash efficiency **75 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **19.8 liter(s)**
- Total mash volume **26.4 liter(s)**

Fermentables

Type	Name	Amount	Yield	EBC
Grain	Briess - Vienna Malt	2 kg (30.3%)	77.5 %	7
Grain	Weyermann - Light Munich Malt	3 kg (45.5%)	82 %	14
Grain	Maris Otter Crisp	1 kg (15.2%)	83 %	6
Grain	Simpsons - Crystal Medium	0.3 kg (4.5%)	74 %	108
Grain	Barley, Flaked	0.3 kg (4.5%)	70 %	4

Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Mosaic	24 g	60 min	11.7 %
Boil	Bravo	14 g	10 min	15.5 %

Yeasts

Name	Type	Form	Amount	Laboratory
Mangrove Jack's M42 New World Strong Ale	Ale	Dry	11 g	Mangrove Jack's