

# grzegorzbrań ejl

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- Gravity **12.9 BLG**
- ABV **5.2 %**
- IBU **24**
- SRM **19**
- Style **Northern English Brown Ale**

## Batch size

- Expected quantity of finished beer **21 liter(s)**
- Trub loss **10 %**
- Size with trub loss **23.1 liter(s)**
- Boil time **60 min**
- Evaporation rate **20 %/h**
- Boil size **30.2 liter(s)**

## Mash information

- Mash efficiency **69 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **18.2 liter(s)**
- Total mash volume **24.2 liter(s)**

## Fermentables

Type	Name	Amount	Yield	EBC
Grain	Maris Otter Crisp	5 kg (82.6%)	83 %	6
Grain	Amber Malt	0.3 kg (5%)	75 %	70
Grain	Caramel/Crystal Malt - 62L	0.4 kg (6.6%)	74 %	165
Grain	Caramel/Crystal Malt - 102	0.2 kg (3.3%)	74 %	270
Grain	Chocolate Malt	0.15 kg (2.5%)	73 %	1000

## Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Simcoe	15 g	60 min	12.8 %
Aroma (end of boil)	East Kent Goldings	15 g	20 min	4.5 %
Whirlpool	East Kent Goldings	15 g	5 min	4.5 %