

## Chart polski

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- Gravity **11.4 BLG**
- ABV ---
- IBU **48**
- SRM **3.8**
- Style **American Pale Ale**

### Batch size

- Expected quantity of finished beer **21.5 liter(s)**
- Trub loss **5 %**
- Size with trub loss **22.6 liter(s)**
- Boil time **60 min**
- Evaporation rate **7 %/h**
- Boil size **24.2 liter(s)**

### Mash information

- Mash efficiency **75 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **13.2 liter(s)**
- Total mash volume **17.6 liter(s)**

### Fermentables

Type	Name	Amount	Yield	EBC
Grain	Pale Ale	4 kg (90.9%)	80 %	4
Grain	Pszeniczny	0.4 kg (9.1%)	85 %	4

### Hops

Use for	Name	Amount	Time	Alpha acid
Boil	lunga	15 g	60 min	11 %
Boil	Ella (AUS)	20 g	10 min	14.6 %
Boil	lunga	20 g	10 min	11 %
Boil	Centennial	20 g	10 min	8.5 %
Dry Hop	Ella (AUS)	70 g	7 day(s)	14.6 %
Dry Hop	Centennial	30 g	7 day(s)	8.5 %
Dry Hop	lunga	15 g	7 day(s)	11 %