

## cold ipa

- Gravity **14 BLG**
- ABV **5.8 %**
- IBU **50**
- SRM **4.2**

### Batch size

- Expected quantity of finished beer **11 liter(s)**
- Trub loss **5 %**
- Size with trub loss **12.1 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **14.5 liter(s)**

### Mash information

- Mash efficiency **75 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **10.3 liter(s)**
- Total mash volume **13.8 liter(s)**

### Fermentables

Type	Name	Amount	Yield	EBC
Grain	Strzegom Pilzneński	2.25 kg (65.2%)	80 %	4
Grain	Weyermann - Carapils	0.2 kg (5.8%)	78 %	4
Grain	Słód owsiany Fawcett	0.3 kg (8.7%)	61 %	5
Grain	Płatki owsiane	0.3 kg (8.7%)	60 %	3
Grain	Barley, Raw	0.4 kg (11.6%)	60.9 %	4

### Hops

Use for	Name	Amount	Time	Alpha acid
Boil	lunga	15 g	60 min	10 %
Aroma (end of boil)	Centennial	13 g	10 min	10.5 %
Boil	Superdelic	15 g	5 min	9.9 %
Dry Hop	El Dorado	30 g	3 day(s)	15 %
Dry Hop	Superdelic	30 g	3 day(s)	9.9 %
Whirlpool	amora preta	20 g	15 min	10 %

### Yeasts

Name	Type	Form	Amount	Laboratory
Gozdawa - Czech Pilsner	Lager	Dry	10 g	Gozdawa