

## RED

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- Gravity **10.2 BLG**
- ABV **4.1 %**
- IBU **37**
- SRM **7.6**
- Style **American IPA**

### Batch size

- Expected quantity of finished beer **20 liter(s)**
- Trub loss **2 %**
- Size with trub loss **20.6 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **24.9 liter(s)**

### Mash information

- Mash efficiency **75 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **12 liter(s)**
- Total mash volume **16 liter(s)**

### Fermentables

Type	Name	Amount	Yield	EBC
Grain	Pilznieński	3 kg (75%)	81 %	4
Grain	Karmelowy Czerwony	1 kg (25%)	75 %	59

### Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Cascade PL	50 g	60 min	5.5 %
Whirlpool	Cascade PL	20 g	15 min	5.5 %