

Świąteczna Pomarańcza

- Gravity **19.1 BLG**
- ABV **8.3 %**
- IBU **15**
- SRM **5.5**
- Style **Christmas/Winter Specialty Spiced Beer**

Batch size

- Expected quantity of finished beer **20 liter(s)**
- Trub loss **5 %**
- Size with trub loss **22 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **26.4 liter(s)**

Mash information

- Mash efficiency **75 %**
- Liquor-to-grist ratio **3.5 liter(s) / kg**
- Mash size **28.3 liter(s)**
- Total mash volume **36.4 liter(s)**

Fermentables

Type	Name	Amount	Yield	EBC
Grain	Viking Pale Ale malt	7.5 kg (92.6%)	80 %	5
Grain	Castlemalting - Cara Clair	0.6 kg (7.4%)	78 %	4

Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Amarillo	25 g	60 min	7.5 %