

Świąteczne 2017

- Gravity **18.4 BLG**
- ABV **8 %**
- IBU **52**
- SRM **92.8**
- Style **Christmas/Winter Specialty Spiced Beer**

Batch size

- Expected quantity of finished beer **23 liter(s)**
- Trub loss **5 %**
- Size with trub loss **24.1 liter(s)**
- Boil time **80 min**
- Evaporation rate **1 %/h**
- Boil size **24.4 liter(s)**

Fermentables

Type	Name	Amount	Yield	EBC
Liquid Extract	ekstrakt słodowy ciemny Bruntal	5.1 kg (91.1%)	82 %	621
Sugar	Cukier	0.5 kg (8.9%)	100 %	---

Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Marynka	50 g	60 min	8.7 %
Aroma (end of boil)	Ekuanot	30 g	5 min	16.1 %
Aroma (end of boil)	Vic Secret	30 g	5 min	16.2 %

Yeasts

Name	Type	Form	Amount	Laboratory
FM13 Irlandzkie Ciemności	Ale	Liquid	30 ml	Fermentum Mobile

Extras

Type	Name	Amount	Use for	Time
Spice	Curacao	20 g	Boil	20 min
Spice	Skórka kalamondyny	5 g	Boil	20 min