

Piwo 45

- Gravity **11.7 BLG**
- ABV **4.7 %**
- IBU **23**
- SRM **4.5**
- Style **Dark American Lager**

Batch size

- Expected quantity of finished beer **15 liter(s)**
- Trub loss **5 %**
- Size with trub loss **15.8 liter(s)**
- Boil time **30 min**
- Evaporation rate **10 %/h**
- Boil size **18.2 liter(s)**

Fermentables

Type	Name	Amount	Yield	EBC
Liquid Extract	Acid Malt	1.5 kg (62.5%)	78.7 %	15
Sugar	glukoza	0.9 kg (37.5%)	100 %	2

Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Chinook	20 g	30 min	8.8 %
Aroma (end of boil)	Hallertau Blanc	20 g	2 min	9.8 %

Yeasts

Name	Type	Form	Amount	Laboratory
Saflager S-189	Lager	Dry	300 g	Fermentis

Extras

Type	Name	Amount	Use for	Time
Other	glukoza	47 g	Bottling	---
Other	witamina c	4 g	Bottling	---