Polskie wędzone ALE

- Gravity 13.6 BLG
- ABV 5.6 %
- IBU **25**
- SRM 8.9

Batch size

- Expected quantity of finished beer 15 liter(s)
- Trub loss 5 %
- Size with trub loss 15.8 liter(s)
- Boil time 70 min
- Evaporation rate 10 %/h
- Boil size 20.1 liter(s)

Mash information

- Mash efficiency 80 %
- Liquor-to-grist ratio 3.5 liter(s) / kg
- Mash size 14 liter(s)
- Total mash volume 18 liter(s)

Steps

- Temp 63 C, Time 45 min
 Temp 73 C, Time 15 min
 Temp 78 C, Time 10 min

Mash step by step

- Heat up 14 liter(s) of strike water to 69.1C
- Add grains
- Keep mash 45 min at 63C
- Keep mash 15 min at 73C
- Keep mash 10 min at 78C
- Sparge using 10.1 liter(s) of 76C water or to achieve 20.1 liter(s) of wort

Fermentables

Туре	Name	Amount	Yield	EBC
Grain	Grodziski pszeniczny wędzony dębem	2 kg <i>(50%)</i>	80 %	3
Grain	słód pilzneński Bruntal	1.5 kg <i>(37.5%)</i>	80 %	4
Grain	Cara Gold Castlemalting	0.5 kg <i>(12.5%)</i>	80 %	120

Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Marynka	25 g	30 min	8.8 %
Boil	Marynka	25 g	2 min	8.8 %

Yeasts

Name	Туре	Form	Amount	Laboratory
Fermentis Safale K-97	Ale	Dry	100 g	

Extras

Type Name Amount Use for Time

			5 "	
Fining	Whirfloc	0.5 g	Boil	10 min