Wee Heavy

- Gravity 21.3 BLG
- ABV ----
- IBU 29
- SRM **44**
- Style Strong Scotch Ale

Batch size

- Expected quantity of finished beer 20 liter(s)
- Trub loss 5 %
- Size with trub loss 21 liter(s)
- Boil time 60 min
- Evaporation rate 10 %/h
- Boil size 25.3 liter(s)

Mash information

- Mash efficiency 75 %
- Liquor-to-grist ratio 3 liter(s) / kg
- Mash size 22.4 liter(s)
- Total mash volume 29.8 liter(s)

Steps

- Temp 68 C, Time 60 min
 Temp 72 C, Time 20 min

Mash step by step

- Heat up 22.4 liter(s) of strike water to 76C
- Add grains
- Keep mash 60 min at 68C
- Keep mash 20 min at 72C
- Sparge using 10.4 liter(s) of 76C water or to achieve 25.3 liter(s) of wort

Fermentables

Туре	Name	Amount	Yield	EBC
Grain	Pilzneński	3 kg <i>(38.7%)</i>	81 %	4
Grain	Casle Malting Whisky Nature	3 kg <i>(38.7%)</i>	85 %	4
Grain	special x	1 kg (12.9%)	%	400
Grain	Extra black	0.1 kg (1.3%)	65 %	1400
Grain	cara hell	0.2 kg (2.6%)	%	50
Grain	biscout	0.15 kg (1.9%)	%	
Sugar	Cukier trzcinowy	0.3 kg <i>(3.9%)</i>	%	

Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Marynka	30 g	60 min	10 %
Aroma (end of boil)	Marynka	20 g	5 min	10 %

Yeasts

Name	Туре	Form	Amount	Laboratory
NEWCASTLE DARK ALE M03 Mangrove Jack's	Ale	Dry	10 g	

Extras

Туре	Name	Amount	Use for	Time
Flavor	platki debowe whisky	50 g	Secondary	10 day(s)