#36 Waka Session IPA

- Gravity 13.1 BLG
- ABV 5.3 %
- IBU **50**
- SRM 4.5
- Style American IPA

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 15.8 liter(s)
- Total mash volume 21.1 liter(s)

Steps

- Temp **62 C**, Time **50 min** Temp **72 C**, Time **10 min**
- Temp 76 C, Time 5 min

Mash step by step

- Heat up 15.8 liter(s) of strike water to 69C
- Add grains
- Keep mash 50 min at 62C
- Keep mash 10 min at 72C
- Keep mash 5 min at 76C
- Sparge using 14.8 liter(s) of 76C water or to achieve 25.3 liter(s) of wort

Fermentables

Туре	Name	Amount	Yield	EBC
Grain	Pilzneński	2.5 kg <i>(47.4%)</i>	81 %	4
Grain	Castle Pale Ale	2 kg <i>(38%)</i>	80 %	8
Grain	Weyermann - Carapils	0.5 kg <i>(9.5%)</i>	78 %	4
Grain	Słód owsiany Fawcett	0.27 kg <i>(5.1%)</i>	61 %	5

Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Magnum	10 g	60 min	11 %
Boil	Sybilla	15 g	60 min	6.9 %
Boil	Marynka	30 g	30 min	6.7 %
Aroma (end of boil)	Magnum	10 g	5 min	11 %
Aroma (end of boil)	Sybilla	5 g	5 min	6.9 %
Aroma (end of boil)	Dr Rudi	30 g	5 min	10.9 %

Yeasts

Name Type	Form	Amount	Laboratory
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