HANGOVERLESS

- Gravity 11.2 BLG
- ABV 4.5 %
- IBU 48
- SRM **3.5**
- Style Fruit Beer

Batch size

- Expected quantity of finished beer 30 liter(s)
- Trub loss 5 %
- Size with trub loss 31.5 liter(s)
- Boil time 60 min
- Evaporation rate 10 %/h
- Boil size 38 liter(s)

Mash information

- Mash efficiency 75 %
- Liquor-to-grist ratio 3 liter(s) / kg Mash size 18 liter(s)
- Total mash volume 24 liter(s)

Steps

- Temp 68 C, Time 40 min
 Temp 78 C, Time 10 min

Mash step by step

- Heat up 18 liter(s) of strike water to 76C
- Add grains
- Keep mash 40 min at 68C
- Keep mash 10 min at 78C
- Sparge using 26 liter(s) of 76C water or to achieve 38 liter(s) of wort

Fermentables

Туре	Name	Amount	Yield	EBC
Grain	Słód pszeniczny Bestmalz	4 kg <i>(61.5%)</i>	82 %	5
Grain	Zakwaszający	2 kg <i>(30.8%)</i>	75 %	5
Sugar	Milk Sugar (Lactose)	0.5 kg <i>(7.7%)</i>	76.1 %	0

Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Warrior	40 g	60 min	15.5 %

Yeasts

Name	Туре	Form	Amount	Laboratory
US-05	Ale	Dry	12.5 g	Fermentis

Extras

Туре	Name	Amount	Use for	Time
Flavor	Owoce pulpa	500 g	Secondary	7 day(s)