

# AUSTRALIAN SPARKLING ALE

- Gravity **11.4 BLG**
- ABV **4.6 %**
- IBU **33**
- SRM **3.9**
- Style **Specialty Beer**

## 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 **3.5 liter(s) / kg**
- Mash size **16.1 liter(s)**
- Total mash volume **20.7 liter(s)**

## Steps

- Temp **67 C**, Time **60 min**
- Temp **76 C**, Time **10 min**

## Mash step by step

- Heat up **16.1 liter(s)** of strike water to **73.7C**
- Add grains
- Keep mash **60 min** at **67C**
- Keep mash **10 min** at **76C**
- Sparge using **13.8 liter(s)** of **76C** water or to achieve **25.3 liter(s)** of wort

## Fermentables

Type	Name	Amount	Yield	EBC
Grain	Słód pilzneński Viking Malt (Strzegom)	4.3 kg (93.7%)	--- %	4
Grain	Słód karmelowy jasny Carahell® Weyermann®	0.2 kg (4.4%)	--- %	25
Grain	Słód zakwaszający Weyermann®	0.09 kg (2%)	--- %	5

## Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Summer	30 g	60 min	5.5 %
Boil	Wakatu	30 g	15 min	8.1 %

## Yeasts

Name	Type	Form	Amount	Laboratory
Fermentis Safale S-04	Ale	Dry	11.5 g	Fermentis Safale

## Notes

- schłodzenie brzeczki do temp. 15-16°C;  
fermentacja - temperatura piwa w głównej fazie fermentacji 16-17°C, dojrzewanie w temp. 18-19°C;

rozlew - poziom nasycenia 1,8-1,9 vol.;  
refermentacja - 14 dni

profil wody (ppm): Ca 75-125; Mg 20; SO4 100-150; Cl 100-150; Alk. całk. 0-50; RA -100-0  
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