

GALAXY RYE ALE

- Gravity **13.3 BLG**
- ABV **5.5 %**
- IBU **28**
- SRM **4.5**
- Style **American Wheat or Rye Beer**

Batch size

- Expected quantity of finished beer **25 liter(s)**
- Trub loss **5 %**
- Size with trub loss **26.3 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **31.7 liter(s)**

Mash information

- Mash efficiency **75 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **19.5 liter(s)**
- Total mash volume **26 liter(s)**

Steps

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

Mash step by step

- Heat up **19.5 liter(s)** of strike water to **74.8C**
- Add grains
- Keep mash **60 min** at **67C**
- Sparge using **18.7 liter(s)** of **76C** water or to achieve **31.7 liter(s)** of wort

Fermentables

Type	Name	Amount	Yield	EBC
Grain	Strzegom Pilzneński	4 kg (61.5%)	80 %	4
Grain	Żytni	2.5 kg (38.5%)	85 %	8

Hops

Use for	Name	Amount	Time	Alpha acid
Boil	galaxy	20 g	60 min	16.7 %
Whirlpool	galaxy	80 g	0 min	16.7 %