

## berliner z wisniami

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- Gravity **8.3 BLG**
- ABV **3.2 %**
- IBU **6**
- SRM **2.8**
- Style **Berliner Weisse**

### Batch size

- Expected quantity of finished beer **20 liter(s)**
- Trub loss **10 %**
- Size with trub loss **22 liter(s)**
- Boil time **15 min**
- Evaporation rate **10 %/h**
- Boil size **23.6 liter(s)**

### Mash information

- Mash efficiency **70 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **10.2 liter(s)**
- Total mash volume **13.6 liter(s)**

### Steps

- Temp **62 C**, Time **15 min**
- Temp **72 C**, Time **45 min**
- Temp **78 C**, Time **15 min**

### Mash step by step

- Heat up **10.2 liter(s)** of strike water to **69C**
- Add grains
- Keep mash **15 min** at **62C**
- Keep mash **45 min** at **72C**
- Keep mash **15 min** at **78C**
- Sparge using **16.8 liter(s)** of **76C** water or to achieve **23.6 liter(s)** of wort

### Fermentables

Type	Name	Amount	Yield	EBC
Grain	BESTMALZ - Best Wheat Malt	1.7 kg (50%)	82 %	4
Grain	BESTMALZ - Best Pilsen	1.7 kg (50%)	80.5 %	4

### Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Columbus/Tomahawk/Zeus	5 g	15 min	18.1 %

### Yeasts

Name	Type	Form	Amount	Laboratory
WLP630 - Berliner Weisse Blend	Ale	Liquid	35 ml	White Labs

### Extras

Type	Name	Amount	Use for	Time
Flavor	Wisnie	900 g	Secondary	7 day(s)