

# American WIT

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- Gravity **10.2 BLG**
- ABV **4.1 %**
- IBU **18**
- SRM ---
- Style **American Wheat or Rye 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 **3.2 liter(s) / kg**
- Mash size **13.1 liter(s)**
- Total mash volume **17.2 liter(s)**

## Steps

- Temp **52 C**, Time **20 min**
- Temp **63 C**, Time **60 min**
- Temp **72 C**, Time **25 min**
- Temp **78 C**, Time **10 min**

## Mash step by step

- Heat up **13.1 liter(s)** of strike water to **57C**
- Add grains
- Keep mash **20 min** at **52C**
- Keep mash **60 min** at **63C**
- Keep mash **25 min** at **72C**
- Keep mash **10 min** at **78C**
- Sparge using **16.3 liter(s)** of **76C** water or to achieve **25.3 liter(s)** of wort

## Fermentables

| Type  | Name            | Amount         | Yield | EBC |
|-------|-----------------|----------------|-------|-----|
| Grain | Słód Pilzneński | 2.5 kg (61%)   | --- % | --- |
| Grain | Słód pszeniczny | 0.5 kg (12.2%) | --- % | --- |
| Grain | Pszenica        | 0.8 kg (19.5%) | --- % | --- |
| Grain | Owies           | 0.3 kg (7.3%)  | --- % | --- |

## Hops

| Use for | Name    | Amount | Time   | Alpha acid |
|---------|---------|--------|--------|------------|
| Boil    | Cascade | 10 g   | 60 min | 6 %        |
| Boil    | Cascade | 15 g   | 10 min | 6 %        |
| Boil    | Citra   | 13 g   | 10 min | 12 %       |

## Yeasts

| Name           | Type  | Form | Amount | Laboratory |
|----------------|-------|------|--------|------------|
| Fermentis K-97 | Wheat | Dry  | 11.5 g | ---        |

## Extras

| Type   | Name              | Amount | Use for | Time   |
|--------|-------------------|--------|---------|--------|
| Spice  | Kolendra          | 15 g   | Boil    | 10 min |
| Flavor | Curacao           | 10 g   | Boil    | 10 min |
| Flavor | Skórki pomarańczy | 10 g   | Boil    | 10 min |
| Flavor | Skórki bergamotki | 10 g   | Boil    | 10 min |